

# The CHEMIST AND DRUGGIST

or RETAILER — WHOLESALER — MANUFACTURER  
MAY 10, 1952

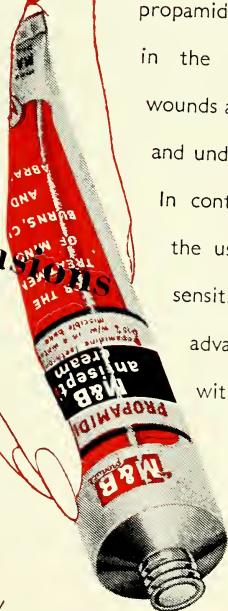


## M&B-ANTISEPTIC CREAM

for cuts

burns

and abrasions



By virtue of the powerful antibacterial activity of propamide, M&B Antiseptic Cream is highly effective in the prevention and treatment of infection in wounds and burns. It is remarkably rapid in its effect, and under its influence healing takes place unchecked. In contrast to the topical application of penicillin, the use of propamide is not reported to cause sensitization. M&B Antiseptic Cream has the added advantage of maintaining its potency indefinitely without special conditions of storage.

Attractive Showcards available on request. Bonus terms of 13 to the dozen offered through wholesalers in return for display services.

M&B Antiseptic Cream is supplied in tubes of 1 oz. at 2s. 3d.

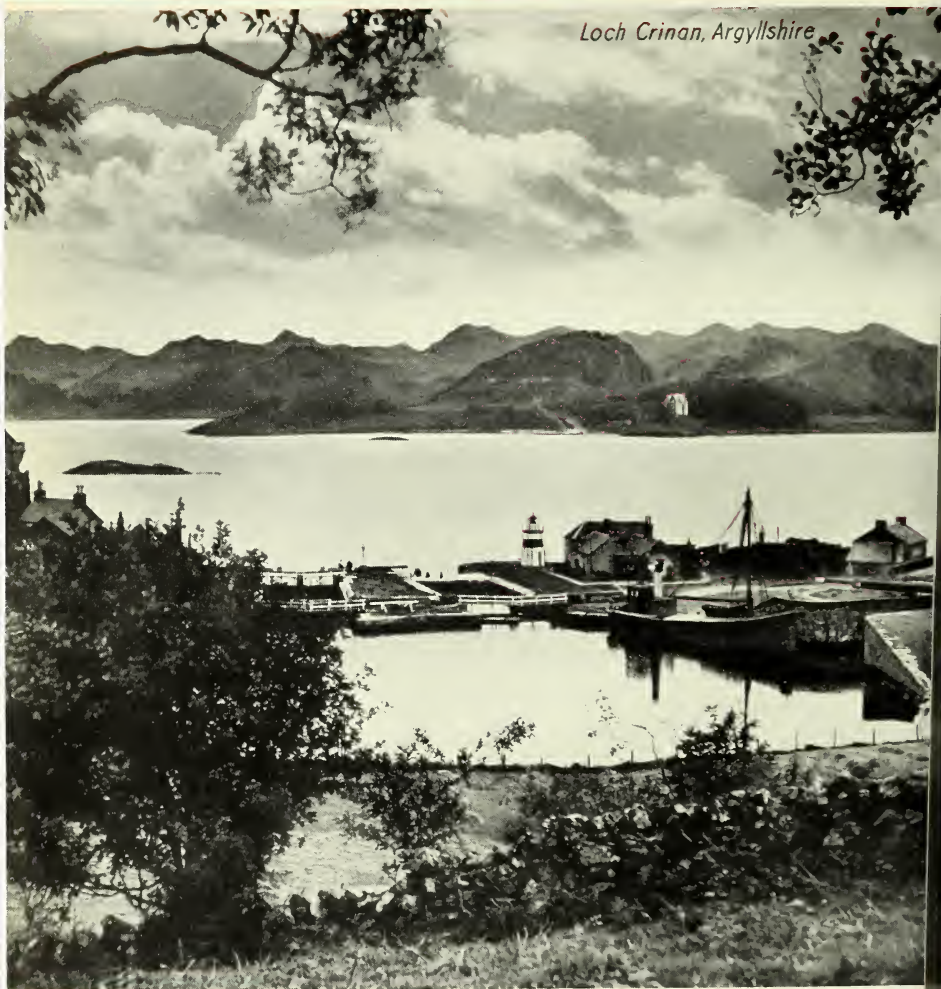
manufactured by  
**MAY & BAKER LTD**



Distributors: PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD · DAGENHAM

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# Pride of Place.....



Loch Crinan, Argyllshire

## T.&H. SMITH LTD.

*Manufacturers of Fine Chemicals and Pharmaceutical Preparations*

APIOL • ARECOLINE • ATROPINE • BRUCINE • CANTHARIDIN • CAPSICUM  
 CHRYSAROBIN • CODEINE • DIACETYLMORPHINE • EPHEDRINE • ERGOMETRIN  
 ETHYLMORPHINE • GINGERIN • HOMATROPINE • HYOSCYAMINE • LEPTANDRIN  
 MAGNESIUM TRISILICATE • METHADON • MORPHINE • PAPAVERINE  
 PHYSOSTIGMINE • PICROTOXIN • PILOCARPINE • SANTONIN • STRYCHNINE

EDINBURGH • SCOTLAND

## *a custom to cultivate*



What makes a customer return regularly to your pharmacy? A good display certainly helps; so too does your readiness to advise on personal problems. But isn't it those products in weekly demand that set the seal on steady custom? Take baby foods: an infant may need anything up to 50 tins of milk food in the first nine months of life. That means 50 visits . . . 50 occasions when mother will view the rest of your display. Clearly, this is custom well worth winning—custom that OSTERMILK, of all baby foods, is best equipped to win.

## *Ostermilk*

Ostermilk No. 1 is a modified milk food that meets infant needs from birth; while Ostermilk No. 2 keeps pace with 'growing' needs.

Both Ostermilks contain vitamin D and iron to safeguard against rickets and nutritional anaemia.

Ostermilk is top in quality yet low in price . . .

3s. 6d. per 16-oz. tin (retail).

Ostermilk is nationally advertised.

The Ostermilk Book (that fund of infant management facts) reaches every type and class of home.



# NEW in every way - certain to sell!

## NEW UNIQUE PRODUCT

Conditions, curls, vitalises the hair into beauty. Contains nutrients akin to sebum — the life-giving secretion of the hair. Leaves no deposit, oiliness, gumminess or stickiness.

## NEW UNIQUE PACK

Shows the remarkable looking liquid through the carton, and tells a "sure sale" story at sight. Every woman who shakes the pack and sees the fascinating silken swirl will buy.

## NEW ADVERTISING THEME

Wave set hair conditioner, vitaliser, and beautifier all in one.

**11,850,000 women** will see powerful Tress advertisements in all the biggest selling women's magazines.



Order from your wholesaler now before May 17th when the advertising breaks.

# TRESS

SETS, CONDITIONS, CURLS  
AND BEAUTIFIES THE HAIR

### TRADE PRICES

Sells at 2/11d. per bottle, giving many applications.  
Your cost: 14/3d. per dozen plus 100% purchase tax.  
Your profit: 6/6d. per dozen.

**ANOTHER WINNER!**  
from the famous French house of L'OREAL, Paris, who produced fast-selling COLORAL

Marketed by: GOLDEN LTD., 2/4 DEAN STREET, LONDON, W.1. Tel: GERrard 49





RELIEF  
AT YOUR  
FINGER TIPS

Strains and sprains constitute a widespread problem during the "open air" months. Crookes Iodine Oil helps the speedy remobilization of joints and is used for the treatment of fibrositis and myositis; also in the field of chiropody. It is non-toxic, non-irritant, non-staining and yet highly active and readily absorbed.

**Bonus Terms:** 1 oz. and 4 oz. bottles available at 13 to the dozen.



CROOKES IODINE OIL



THE CROOKES LABORATORIES LIMITED · PARK ROYAL · LONDON · N.W.10

## SPECIAL OFFER

### 10,000 PLAIN ASSORTED TABLET DISPENSING CARTONS

ASSORTMENT:—

- 2,000 Small Size
- 3,000 Medium Size
- 3,000 Large Size
- 2,000 Extra Large Size

10,000 @ 21/- per 1,000 car. pd.

#### WHOLESALE HOUSES—

Please enquire for Special Re-Sale Terms  
Printed Tablet Dispensing Cartons  
Usual List Price

Remember! Harrison's for Cartons!

#### ALF HARRISON & SONS LTD.

Medical and Carton Printers  
BURLEY ROAD, LEEDS. 4  
Phone: LEEDS 52668-9 Grams: "IDEAS" LEEDS  
Also at London

# Cephos

PRONOUNCED SEE-FOSS

POWDERS AND TABLETS

## Sell Readily and Steadily!

Backed by forceful and  
continuous advertising!

**NEWS FLASH!** More aid to the Trade!  
New range of 'point of  
sale' advertising  
material available!

Trade enquiries to:  
CEPHOS LTD.  
BLACKBURN



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## FINE MARKING OF EQUIPMENT

### The Best Modern Practice

TRAPINEX Paint Transfers offer a brilliant and lasting marking method, quickly applied by unskilled labour to almost any size, shape and surface.

Backed by years of research and experience TRAPINEX Hallmarks have convinced leading manufacturers in every industry that they alone are worthy of marking a fine product.

Trapinex Paint Transfers are becoming increasingly used for warning notices, brand names, nameplates, diagrams, operating instructions, calibration and many other vital uses, because they are far quicker to fix, more brilliant and long lasting. Send now for full details and a copy of 'TRAPINEX HALLMARKING' informative booklet telling the story of Trapinex Paint Transfers.

# TRAPINEX



Sole Manufacturers and Patentees—

TRAPINEX LTD, 166 COMMERCE HOUSE, HIGH RD, LONDON N7

Phone: Bowes Park 6811/3

Grams: Trapinex, Wood, London

Cables: Trapinex, L

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**Stock up Now!**



**for Summer Sales of**

**ESOBAN**

*the de luxe Cream* **OF CALAMINE**

Where quality is the talking point—Esoban Cream of Calamine speaks for itself! This *de-luxe* Calamine skin preparation, incorporating Esoban Ointment, is widely recommended by doctors and hospitals for many skin irritations including sunburn and chafing.

Showcards for counter and window display are available to boost sales.

Discount 33 1/3% plus Bonus of 13 to the dozen on orders for 3 dozen. (minimum quantity, either size)

**TWO ATTRACTIVE PACKS:**

Large size 3/6 retail

Handy Pack 1/9 retail



**Order Now!** through your usual C.F. Wholesaler

**SOUTHAM LABORATORIES LTD., UPPER RICHMOND ROAD, LONDON, S.W.15**



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*1 pack of 'VASANO' in every 13 is free to you*

### MAKE THIS EXTRA PROFIT

With every 12 packs of 'Vasano' Travel Sickness Tablets ordered one additional pack is given free. This means you make 8d. profit on every tube of 10, or 3½d. on every pack of 4 'Vasano' Tablets that you

An effective travel sickness preparation must correct both the gastric upset and the disturbance originating in the semi-circular canals. 'VASANO' does both. It contains Hyoscyamine to quieten the stomach and Hyoscine for central sedation, and so is more effective than preparations based on Hyoscine alone.

#### Order Now

To secure extra profit from rising 'VASANO' sales throughout the travel season.

PACK	PRESENTATION	
	RETAIL PRICE	PRICE TO PHARMACISTS
Tube of 10 (in display outers of 1 doz.)	1/9 (plus 5d. Pur. Tax)	14/- per doz.
Pack of 4 (in display outers of 2 doz.)	8½d. (plus 2d. Pur. Tax)	11/4 per 2 doz.

Order direct or from your usual wholesaler

## British Schering Limited

229-231 Kensington High Street, London, W.8. telephone: WESter

TB

## THE CHEMOTHERAPY OF TUBERCULOSIS

**'PYCAZIDE'**

TRADE MARK

BRAND

**ISONICOTINIC ACID HYDRAZIDE**

(PYRIDINE-4-CARBOXYLIC ACID HYDRAZIDE)



The addition of this new drug to the range of anti-tubercular substances produced by the Chemotherapy Research Unit of Herts Pharmaceuticals Ltd. has created considerable immediate interest. The material is at present undergoing extensive animal and clinical evaluation in this country; its place in the treatment of tuberculosis must await the outcome of these trials.

**'PYCAZIDE' is supplied as**

TABLETS of 50 mg. packed in containers of 100, 500 and 1,000.

AMPOULES Sterile solution containing 50 mg. in 2 ml.

SYRUP (Blackcurrant flavoured). The formulation of this syrup has been devised in order to permit greater flexibility of dosage than is possible with 'Pycazide' tablets. One teaspoonful is approximately equivalent to 20 mg. of Isonicotinic Acid Hydrazide.

*For further details please write to:-*

HPL

**HERTS PHARMACEUTICALS LIMITED**

WELWYN GARDEN CITY, HERTS \_\_\_\_\_ GMT 131

Pharmacists everywhere rely upon the wealth of experience that stands behind the COX organisation

Modern processes.  
Long Experience.  
Our laboratories  
are equipped to  
meet your every  
need.



Our designing  
department will  
develop your  
suggestions or  
evolve a new and  
attractive design  
for your product.

Consult us about  
**YOUR MANUFACTURING and PACKAGING problems**

**ARTHUR H. COX & CO. LTD. EST 1839. BRIGHTON**



## Sensitive skins

Cuticura Shaving Soap is *mildly medicated* . . . your customers will thank you for introducing them to the perfect stick for tender faces. The black and orange plastic holder for this large sized stick attracts the eye: display cartons with each half-dozen make them easy sellers at your counter.

National advertising supports your sales.  
Cuticura Shaving Sticks retail at 2/2 (Inc. P.T.)  
Trade price 15/6 doz. P.T. 5/2 doz.

# Cuticura

MILDLY MEDICATED  
**SHAVING STICK**

**DON'T FORGET QUICK SELLING CUTICURA SOAP**  
Order to-day from NEWBERRY & PHILLIPS LTD.  
Victoria House, Southampton Row, W.C.1. HOЛ 1564

## RASPBERRY SYRUP

New N.F., B.P.C.  
**3/9 lb.**

Liquor pro Raspberry Syrup  
(conc. 1-7 dilute with Syrup B.P.)  
Post Paid 4 ozs. **7/6** Cash  
In Demand || 1 lb. **27/6** W.O.



ATTRACTIVE  
PRINTED TINS  
PERFECT  
TASTING  
Pleasant  
PASTILLES

COST:

10/6 Doz. plus Tax.  
3 Dozen Carr. Paid 14 to  
Doz. - 6 Doz. and over. Also  
5 lb. Show jars

Containing:  
AMYL. META. CRESOL

**JAMES HART (Chemists) LTD.**  
Newport Street . . . . . BOLTON



# Give them **TOP PLACE!**

## **FENNINGS' CHILDREN'S Cooling Powders**

A good product, with a good demand—well known, and well advertised. Tried and proved by mothers for generations.

Retail at 1/9, 4/3 or 2 powders for 2½d.

## **FENNINGS' LITTLE HEALERS**

How many customers do you serve each week? . . . and how many of those have colds or coughs. At this time of the year, specially, Fenning's Little Healers should be at your fingertips. Retail price 8d., 1/9 and 1/6.

*Two famous lines which will help your turnover and your customer. Give them top place when ordering supplies from your wholesaler.*

# **Fenning's'** **HOME REMEDIES**

Fenning's Sulphur Powders  
Fenning's Ointment  
Fenning's Indigestion Tablets  
Fenning's Rheumatic Tablets

Fenning's Children's Cooling Powders  
Fenning's Adult Cooling Powders  
Fenning's Little Healers  
Fenning's Whooping Cough Mixture

Fenning's Fever Mixture

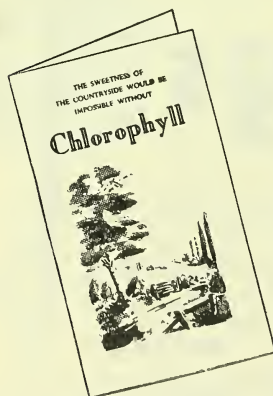
*Sales promotion material gladly sent on request.*

**ALFRED FENNINGS • HORSHAM • SUSSEX**

# TK's MONTHLY

## CHLOROPHYLL

The present vogue for Chlorophyll is interesting from various points of view. For one thing it comes at a time when there is a complete lack of official recognition. There is no monograph on this subject in the present B.P.C., merely an ominous reference in Appendix XI as "deleted". Previous editions of the Codex have included Chlorophyll, but the descriptions have lacked precision. Chlorophyll was recommended in a vague sort of way as a general tonic, analagous to haemoglobin, and as a colouring agent. The value of Chlorophyll as a deodorant—the special property which has now assumed so much importance—was never mentioned. It seems strange that such a useful feature, in a substance so widely distributed, should have been overlooked until quite recently.



## The ideal Chlorophyll Preparations

There is a real need for good personal deodorants, to neutralise the unwanted odours so often associated with breath, perspiration, etc., the so-called body odours which may develop in spite of the most fastidious care and personal cleanliness. No one wishes to give offence to others and simple, sensible methods

of protection will be widely appreciated. Kerofil Toothpaste and Lozenges will be found to meet all requirements. They can be used simply, naturally, unobtrusively, without drawing undue attention to themselves. They will enable your customers to apply the deodorant action of chlorophyll in pleasant and effective forms



# Newsletter



## Kerofil TRADE MARK Toothpaste

*Not just another dentifrice but something quite new and different*

We believe that Kerofil is destined to become very popular because it does something really useful which has never been done so well before.

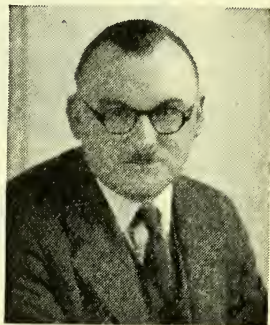
It is a really good dentifrice and its regular use will keep teeth clean and white, but it is much more than a dentifrice, otherwise there would not be much point in introducing it these days. Kerofil corrects halitosis; it does not merely cover up unwanted odours, it removes them, leaving the mouth fresh and clean and the breath free from taint.

The package design is a combination of white and two greens and the cartons are issued in attractive display outers each containing 1 dozen. Effective showcards are supplied with all orders.

RETAIL PRICE 1/8 per tube



## THIS MONTH'S PERSONALITY



**Mr. A. E. STEPHENSON**  
As our representative in Central and East Scotland, Mr. Stephenson has maintained the sound traditions established by his predecessor, Mr. John Morley. He joined the Firm in 1934, and during his absence on war service Mrs. Stephenson carried on his work with great efficiency.

## Kerofil TRADE MARK Lozenges

Allowed to dissolve slowly in the mouth, Kerofil Lozenges have a useful local, as well as a general effect. They provide quite the nicest way of taking chlorophyll—as pleasant as the old cachou but much more far-reaching in its effectiveness. The flat tins are easy to carry in pocket or handbag, and are issued in display boxes of 1 dozen.

RETAIL PRICE 1/9 per tin

**THOMAS KERFOOT & CO. LTD.**

VALE OF BARDSLEY, LANCASHIRE

BARDSLEY HOUSE, LONDON N.1



Our well-known range of



# FACE SQUARES

is now obtainable in

**WHITE, COLOURED,**

**JACQUARD, and also CHENILLE  
BORDERED**

as well as our

**FAMOUS BARBERS' TOWEL**



**UNITED COTTON MILLS L<sup>TD.</sup>**

**71 MOSLEY STREET,  
MANCHESTER, 2**

**GROVELAND HOUSE, BOW LANE  
LONDON, E.C.4**

FOR CHEMISTS



DRUGS

SUNDRIES

*Manufacturing Chemists*

PILLS · TABLETS  
PROPRIETARIES

HEAD OFFICE & WORKS: MANSFIELD ROAD, DERBY. Tel: 48266 (4 lines)  
RANCH WAREHOUSE: GROSVENOR ST., ASHTON under LYNE. Tel: 2816 (3 lines)

# A SURE SELLING LINE

## ZYTOCIN GARLIC TABLETS

CATARRH, COUGHS and COLDS

Put a Zytocin display pack on your counter and it cannot fail in bringing you quick and ready sales. Extensively advertised, Zytocin tablets contain the active principles of garlic and are completely odourless, leaving neither taste nor taint on person or breath. For the relief of CATARRH, COUGHS and COLDS, the powerful aid of ZYTOCIN Garlic Tablets has repeatedly proved invaluable.

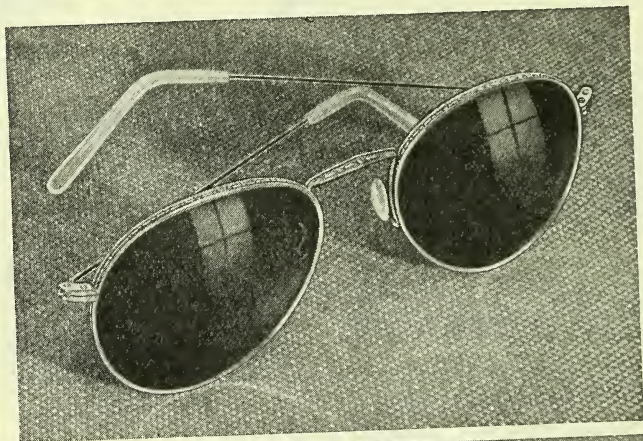


Sold by Boots, Timothy Whites  
and Taylors Ltd.  
and other leading Chemists

ION LIMITED,  
12 GREAT SMITH STREET, LONDON, S.W.1

**ZYTOCIN TABLETS**  
63 TABLETS    21 TABLETS  
(Full 3 weeks' supply) (7-day trial pack)  
Retail 5/- per tin    Retail 1/11 per pack  
Trade 42/- per doz.    Trade 18/- per doz.  
(Usual Wholesale terms apply)

# 'SUNGARD' Sunglasses



BRITISH MADE  
BY CRAFTSMEN

## 'SUNGARD' STANDARD MODEL

Beautifully engraved  
Gold-Plated frame  
with CROOKES B2  
Curved Lenses.

PRICE TO RETAILER 7/- pair boxed ★

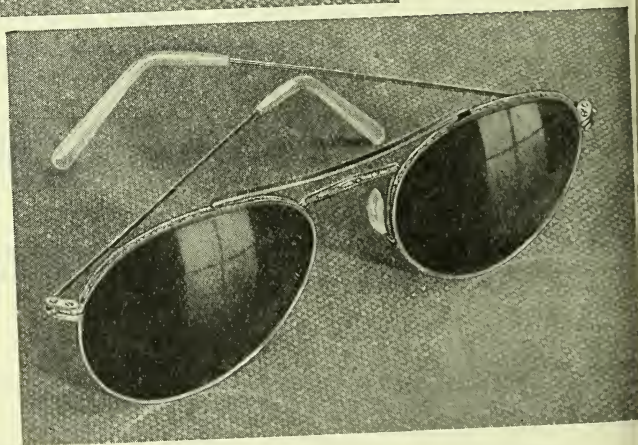
SELLS AT 10/6 pair boxed ★

## 'SUNGARD' BRIDGEBAR MODEL

As above but incorp-  
orating extra bar add-  
ing to strength and  
appearance. With  
CROOKES B2 Curved  
Lenses.

PRICE TO RETAILER 7/10 pair boxed ★

SELLS AT 11/9 pair boxed ★



*A Line you will repeat . . .*

**ORDER NOW** direct from the manufacturer

## FISH OPTICAL

McNEISH HOUSE, 261 HARROW RD

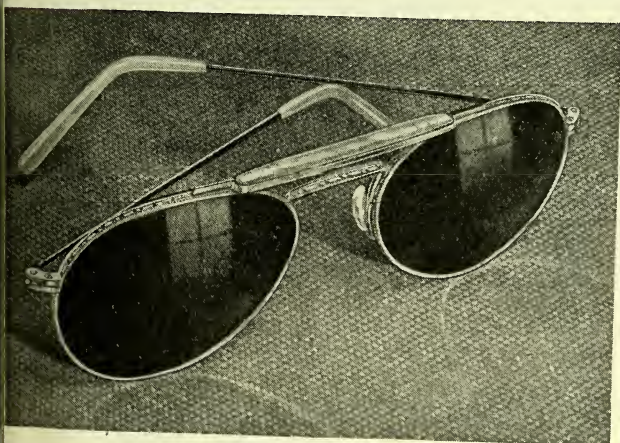


# SELL ON 'SIGHT'

'SUNGARD' Sunglasses are 100% British made by Craftsmen from the finest quality materials. Beautifully engraved and fitted with optical quality CROOKES CURVED LENSES and styled in the modern manner.

'SUNGARD' Sunglasses are Britain's 'Best Seller' abroad and are now available on the Home market for the first time **DIRECT FROM THE ACTUAL MANUFACTURERS**

- ★ SLENDER AND SNUG FITTING SIDE ARMS
- ★ LIGHT, STRONG AND COMFORTABLE IN WEAR
- ★ DISTINCTIVE ENGRAVED PAD BRIDGE



## 'SUNGARD' SUPER MODEL

The finest sunglass frame yet made! The Gold-Plated engraved frame incorporates a beautifully designed mother-of-pearl sweatbar with Gold-Plated ornamentation. With CROOKES B2 Curved Lenses.

PRICE TO RETAILER **9/4** pair boxed ★

SELLS AT **14/-** pair boxed ★

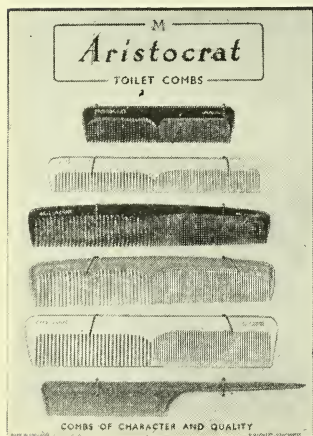
★ "SUNGARDS" are individually packed in attractive 4 colour cartons and supplied boxed in effective Counter Display Packs of one Dozen complete with 4 colour Showcard.

# COMPANY LTD.

LONDON W.2. Tel: CUNNINGHAM 8318 8267



# COMBS OF **QUALITY**



*Aristocrat . . . a quality comb  
for the holiday trade*

With an order for one gross of **Kirtessa**  
Saw-Cut Shell Combs you receive this handsome

## FREE DISPLAY CABINET

These are very attractive combs selling at a competitive  
price—ideal combs for your toilet trade.

Retail prices from 1/11 to 3/9 each.

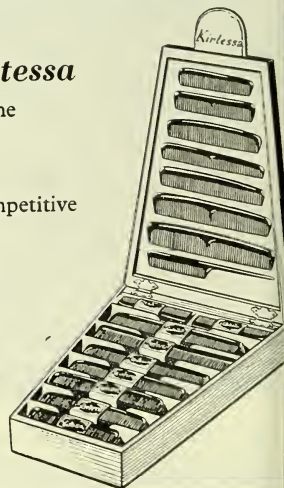
Gross assortment (with free cabinet) .. ..	£9 10 6
Purchase Tax .. ..	£3 3 6
Total Selling price ..	£17 9 0
Your profit .. ..	£4 15 0

*All orders carriage paid in free packages*

*. . . yet so keen in price  
that they sell in quantity*

**Aristocrat** Saw-Cut Toilet Combs, on the  
tasteful cream display card, will appeal to your  
customers who want an attractive comb of the best  
quality. Colours: Ivory, Crystal, Demi-Blond, and  
Assorted. Suggested retail prices: From 2/3 to 3/9  
each.

Card (holding one dozen combs) **19/9 each**



**MACDONALD & SON LTD.**

HOPE MILLS · POLLARD STREET · MANCHESTER



# CLOVE OIL

**EUGENOL • ISO-EUGENOL**  
**METHYL-ISO-EUGENOL**

Known throughout the world for their never varying quality

# StaffAllens

**STAFFORD ALLEN & SONS LTD.**  
WHARF ROAD, LONDON, N. I. ENGLAND  
Telephone: CLERKENWELL 1000 (7 lines)  
Telegrams: "Stafalens, Nordo, London"  
Cables: "Stafalens, London"  
TAS/AT 4



# BARTLETT'S SUN GLASSES



## SPOTLIGHTING THIS SEASON'S BEST SELLERS 604 & 605

There is no doubt about it—these two fashionable American styles will prove your big profit earners for 1952.

What value! Where else could you get wide vision, gilt or nickel plated frames with adjustable nose pads, plastic ear pieces and real Crookes Lenses to retail at the amazing price of 12/6d. a pair.

Order now through your usual wholesaler while stocks are still available.

**Alfred, Franks and Bartlett Company Limited**

AUDREY HOUSE, ELY PLACE, LONDON, E.C.1

Phone: HOLborn 1078 (PX)

**ALL WHOLESALE ENQUIRIES TO THIS ADDRESS PLEASE**

**FOR HOME & EXPORT**

***Calcium Levulinate  
Injectable***

***Choline Chloride***

***Citric Acid B.P.***

***Calcium Glycerophosphate***

***Sulphadiazine B.P. Powder***



★ We can supply these and many other drugs advantageously.

**M·W·HARDY  
AND COMPANY  
(OVERSEAS) LTD**

**PINNERS HALL·GT WINCHESTER ST·LONDON·E.C.2**

TELEPHONE: LONDON WALL 7131



**The**  
**SAFE**  
**and**  
**EFFECTIVE**  
**treatment for**  
**head lice**

'LOREXANE' HEAD LOTION contains gamma benzene hexachloride, a most powerful parasiticide which destroys head lice at one application. It is easy to use, non-irritant and has no harmful effect on the hair or scalp. The pharmacist can recommend 'Lorexane' to the public with absolute confidence in its safety and efficiency both for prevention and treatment.

- Ask for supporting display material, Display Stands Counter Leaflets.

*Available in bottles of 50 c.c. Retail price 2/- (plus 5½d. purchase tax). Also available in bottles of 500 c.c. and 2 litres.*

**'LOREXANE'**

Trade Mark

**head lotion**

**IMPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED**

*A subsidiary company of Imperial Chemical Industries Limited* **Wilmslow, Manchester**



Ph.2



## A GOLDEN RULE:-

*“Learn to Remember Names”*

*Practise on Ours!*

**D**ouches

**S**yringes

**E**lastic Hosiery

**U**rinals

**P**essaries

**N**eedles

**E**nemas

**D**ressings

**N**ipple Shields

**R**ubber Tubing

**D**roppers

**I**nsufflators

**A**tomisers

**E**ye Baths

**B**reast Relievers

**S**plints

**L**itmus

*for*

**E**ye Shades

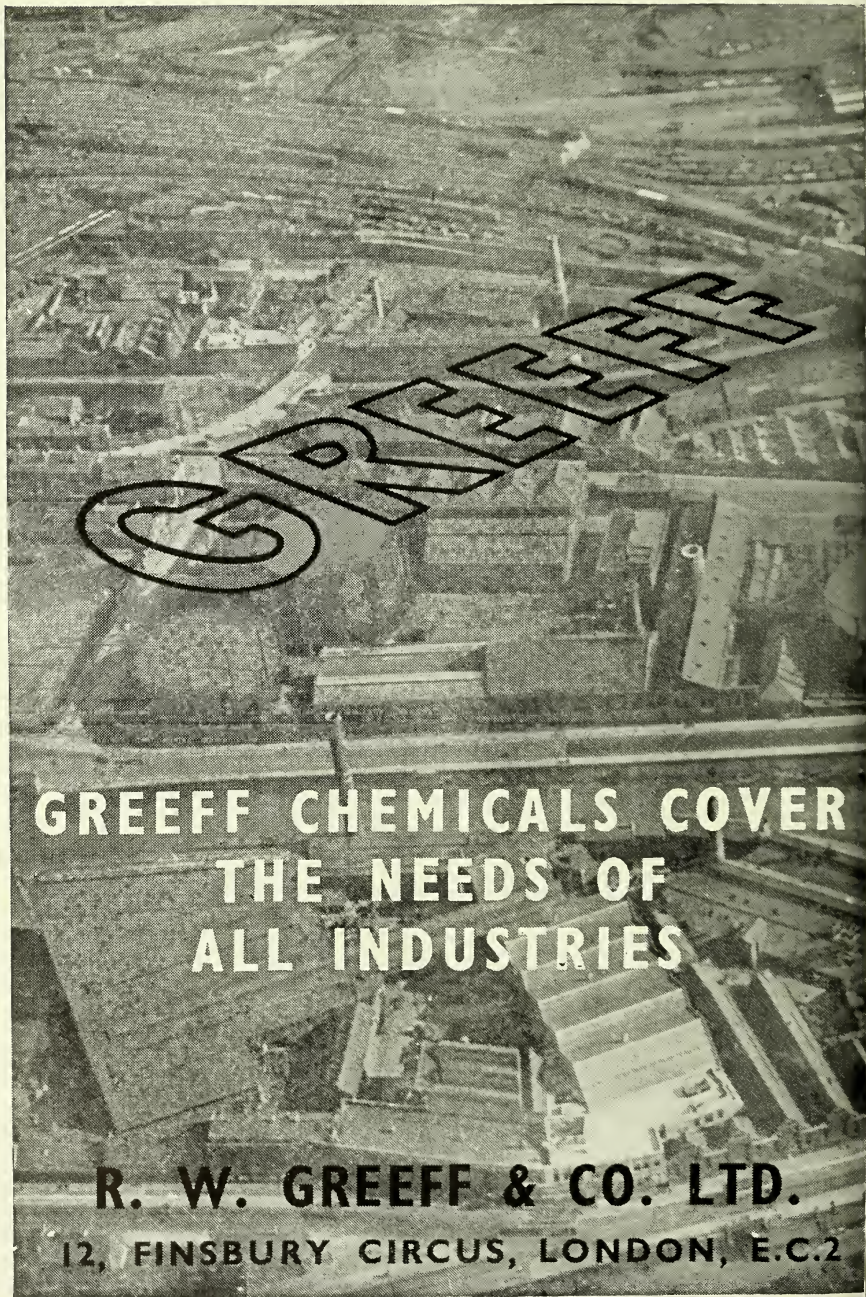
**N.H.S.**

**BRITTON MALCOLM & CO. LTD.**

38 SOUTHWARK BRIDGE ROAD, LONDON, S.E.1. WATerloo 4874-6

**BM**

**D E P E N D A B L E**

An aerial, black and white photograph of a large industrial facility, likely a chemical plant. The image shows various buildings, pipes, and structures. Overlaid on the image is the word "Greeff" in a large, bold, stylized font with a double outline. The letters are slanted upwards from left to right. The background shows a complex network of industrial buildings and infrastructure.

**Greeff**

**GREEFF CHEMICALS COVER  
THE NEEDS OF  
ALL INDUSTRIES**

**R. W. GREEFF & CO. LTD.**

**12, FINSBURY CIRCUS, LONDON, E.C.2**





# ferrania

# fotography is fun!

Roll Films  $2\frac{1}{2} \times 3\frac{1}{2}$  in. 2/9;  $1\frac{1}{2} \times 2\frac{1}{2}$  in. 2/5; (Ultra-chromatica)  $2\frac{1}{2} \times 4\frac{1}{2}$  in. 3/8; 35 mm. Cassettes F.G. Pan 36 exposures 9/5; 36 exposure refill 4/10; 3 x 36 exposure refills 13/1; 10 x 36 exposure refills 39/6; Film Packs (Pan)  $3\frac{1}{2} \times 2\frac{1}{2}$  in. 16/-; 9 x 12 cm. 23/4.

*Make friends with ferrania  
- the wonderful film*

Particulars of latest Ferrania cameras and films from  
Sole Wholesale Distributors:

**NEVILLE BROWN & CO. LTD**  
77 NEWMAN STREET · LONDON · W.1

Tel: LAngham 7161 (10 lines)

Also available from leading Chemists' Wholesalers



Lemons  
Glucose  
Scotch Barley  
Sugar

For acidosis...  
recommend  
**Rayner's**  
**Lembar**  
all the year  
hot or cold



MADE BY RAYNER AND COMPANY LIMITED, LONDON, N.18

\*  
Stock up for  
the summer  
trade!

**Pennine Leg Tan Cream**

An elegant cream with smooth consistency, easily applied and very durable.

**Pennine Sun Tan Cream**

Very effective. Allows tanning of the skin whilst preventing sun-burn.

These bright attractive packs are fine sellers.



**THORNTON & ROSS**  
LIMITED

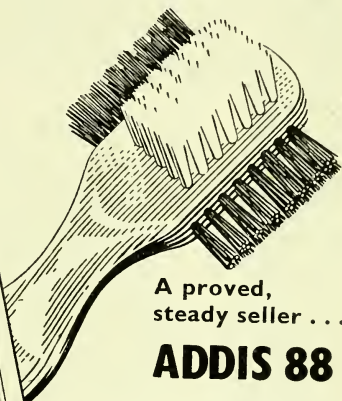
LINTHWAITE LABORATORIES

HUDDERSFIELD

ENGLAND

# Addis<sup>REGD.</sup> the only denture brushes advertised to the public

Both Addis 88 and 99 are advertised in mass-circulation magazines reaching the majority of denture-wearers throughout the country. You'll find them steady-selling, profitable lines. Made by Addis, makers of Wisdom toothbrushes.



A proved, steady seller . . .

## ADDIS 88

Two stiff black side-heads for cleaning the teeth; a pad of softer white tufts for polishing the plate. Retail price, 2/11d.

Do you clean your false teeth with a toothbrush?

When you clean your dentures, you use *two* hands. Quite rightly, you scrub *much* harder than if you were cleaning your own natural teeth. So a toothbrush won't do. You need tougher bristles—and a much bigger brush—than you could ever use in your mouth.

That's why folk who try a brush made specially for dentures—like the two on the right—never go back to a toothbrush.

Both of these two Addis denture brushes do a more thorough job—and last as long as three ordinary toothbrushes. So they are cheaper in the long run. *At all chemists.*

MADE BY ADDIS LTD., BRUSHWORKS, HERTFORD

**ADDIS 99**

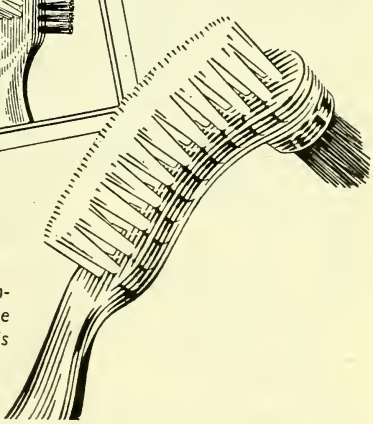
*Curved for efficient cleaning inside and outside the teeth. The stiff black tuft probes between each tooth. Price 2/6d.*

**Which do you prefer?**

**ADDIS 88**

*Two tough black side-heads clean between teeth; the softer centre-head cleans the plate. Price 2/11d.*

One of the advertisements in mass-circulation magazines that promote Addis denture brushes to the general public



And a business-like newcomer!  
**ADDIS 99** *Curved for efficient cleaning inside and outside the teeth. The single black tuft probes out food debris from awkward crevices. Retail price, 2/6d.*

ADDIS LTD. OF HERTFORD



Be sure to visit us at the B.I.F.-Stand No.E.2

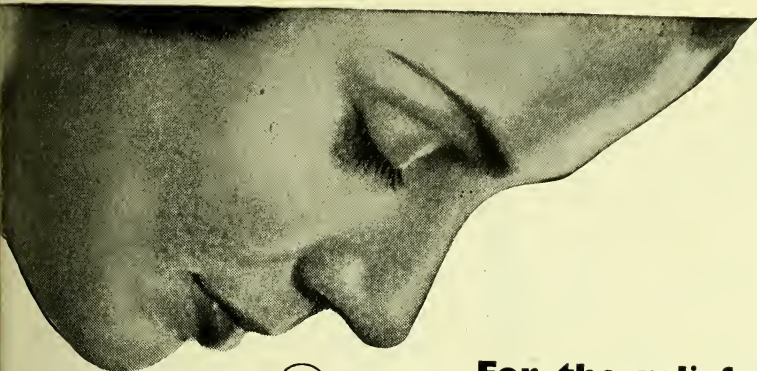


**Culmak**  
SHAVING BRUSHES

Millions of these "reminder" Title Corners are published in the big circulation National Newspapers every week of the year.

Exactly what you need as a Spring Sales Tonic! With every order for 8 Culmak Juniors and 4 Seniors, we are supplying, free of charge, the popular Giant and all the other attractive material to make the sales-compelling display as above. Orders, executed at usual prices, should be sent to your customary Wholesaler.





'ALLEVIN' is indicated for the relief of pain in these conditions:—

HEADACHE  
NEURALGIA  
NEURITIS  
SINUSITIS  
RHEUMATISM  
MYALGIA  
FIBROSITIS  
LUMBAGO  
SCIATICA  
INFLUENZA  
FEVERISH COLD  
DYSMENORRHEA  
DENTAL SURGERY

## For the relief of pain



introduces 'ALLEVIN,' a balanced combination of salicylamide, caffeine and codeine. Recent experimental studies have shown that *salicylamide has five times the analgesic potency of aspirin.* In contrast to other salicylates, salicylamide does not form free salicylic acid in the stomach and is therefore much better tolerated. To these advantages are added the stimulant and potentiating effect of caffeine together with the analgesic and anti-tussive action of codeine. 'ALLEVIN' is a safe and reliable analgesic with a wide range of indications.

SALICYLAMIDE 7.5gr.  
CAFFEINE 1.0 gr.  
CODEINE 0.119 gr.

## 'ALLEVIN'

TRADE MARK BRAND  
COMPOUND SALICYLAMIDE  
TABLETS

for the ALLEVIATION  
of pain



'ALLEVIN' can be prescribed on E.C.10's.

### PACKINGS

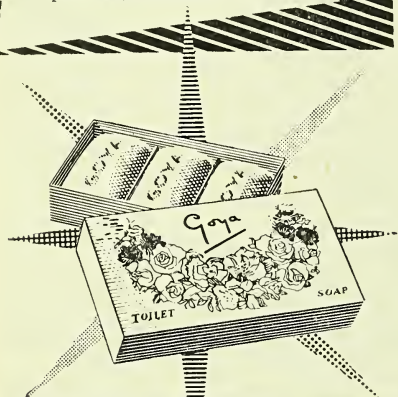
Tubes of 10 tablets :  
13 - dozen.

Retail price : 2- each  
(including tax).

Dispensing packs of 100  
and 500 tablets.

\*GOYA GIMMICK NO. 2.

Goya soaps are made in six different fragrances — each fragrance with its own charming paste! shade. So now for this month's prize idea. "Mix Goya soaps in their boxes—the different colour combinations will attract your customers' attention . . . compel extra sales." Goya soap is long-lasting, beautifully fragrant, and sells at 1/8 a 3 oz. tablet. Trade price 12/- per dozen.



TOILET SOAP BY

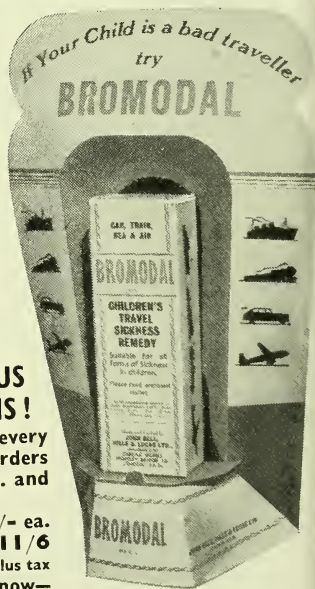
**Goya**

161 NEW BOND STREET, LONDON. W.1

\*WHAT'S A GOYA GIMMICK? Any good sales idea. Send your ideas to Goya and win a two-guinea prize. Gimmick No. 2 came from M. Barkey, M.P.S., Beaton & Barkey, 14, Englands Lane, N.W.3.

# At last! a travel sickness remedy for children

- ★ Containing no scheduled poisons; adequate dosage may be administered without uneasiness.
- ★ A liquid preparation convenient and easy to take at all times.
- ★ It's bound to be in steady demand throughout the year.
- ★ Backed by a name the public trusts.



## BONUS TERMS!

13 for every doz. on orders of 3 doz. and over.

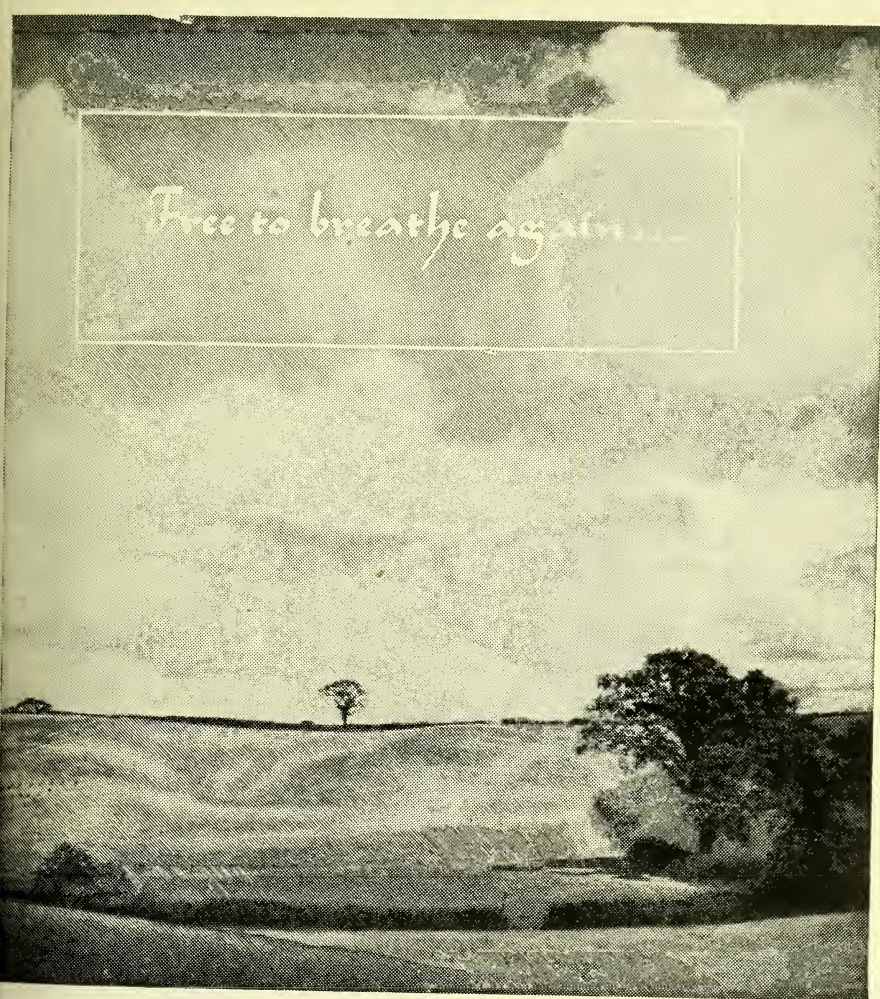
Retail 2/- ea.  
Trade 11/6 a doz. plus tax  
—order now—  
colourful display cards supplied.

# Bromodal



JOHN BELL, HILLS & LUCAS LTD.,  
Oxford Works, Worsley Bridge Road, London, S.E.26





*Free to breathe again...*

FOR THE RELIEF of bronchial asthma, a choice of 'Neo-Epinine' preparations is available. Almost immediate relief is obtainable by oral inhalation of No. 1 Spray Solution, a plain 1 per cent aqueous preparation. The 20 mgm. compressed products, placed beneath the tongue, act within 5-10 minutes. Stubborn cases need oral inhalation of No. 2 Compound Spray Solution which contains 1 per cent of drug with 2 per cent of papaverine and 0.2 per cent of atropine methonitrate.

## 'Neo-Epinine'

Isoprenaline Sulphate

BRAND

IN THE  
TREATMENT OF ASTHMA



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON





The Roche research chemists, following several years of intensive study, discovered that isonicotinyI hydrazine, 'RIMIFON,' is effective against tuberculosis.

Clinical trials are being continued.

In view of the urgent need for wider confirmation of this early work, 'RIMIFON' has been made available to all hospitals and tuberculosis centres.

**ROCHE PRODUCTS LIMITED**

SUN TAN  
WITHOUT  
SUN BURN

Here's a good  
catch!

A showcard like this,  
in gay colours,  
will catch the eyes  
of customers  
this summer

beach  
SUN TAN CREAM

2/6  
PER TUBE

BEACH, the original sun-screening agent in a vanishing cream base, is effective not only in producing a pleasant sun tan without discomfort or inconvenience, but also in soothing irritated body surfaces when protection has been neglected. Furthermore, Beach is sold only through pharmacists.

SUN TAN CREAM

beach

RETAIL PRICE—  
2/6 per tube

TRADE PRICE—  
12/- per doz. tubes

SPECIAL TERMS—  
5% discount on 3 doz.  
7½% discount on 6 doz.

THE BRITISH DRUG HOUSES LTD. LONDON N.1

# GOOD SUPPLIES

**AT PRESENT AVAILABLE**

NOW BEING EXTENSIVELY  
ADVERTISED  
IN  
WELL-  
KNOWN  
SPORTING  
JOURNALS

Price to Chemist

1 box: 15/-

3 boxes: 14/9 per box

6 boxes: 14/6 per box

**SHEFFIELD, 6**



USED BY  
LEADING  
ATHLETES  
IN EVERY  
FIELD OF  
SPORT

## Simpkins

**VITA-GLUCOSE**  
RIG



## In the balance

The dispenser knows how much depends upon scientific exactness on complete assurance of purity and constant standards. All will ultimately be 'weighed in the balance' . . . . for he knows how faithfully he can rely on the products of H.E. Daniel Ltd., to enhance his reputation.

### H·E·DANIEL LTD



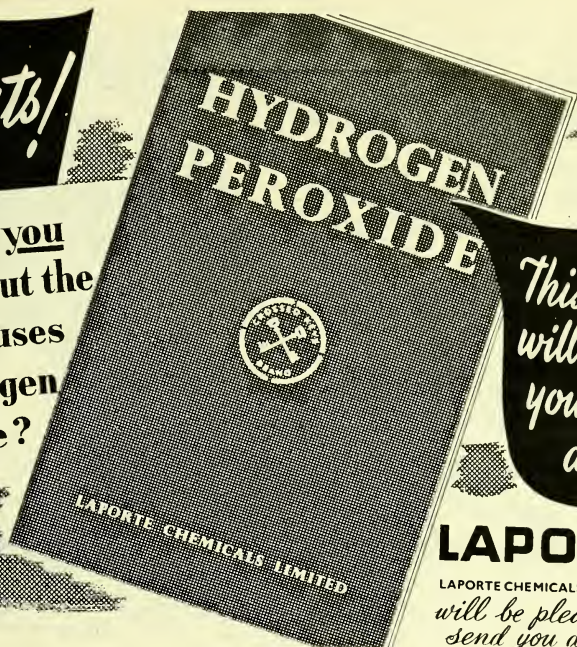
MANUFACTURERS, DISTILLERS AND EXPORTERS OF:  
ESSENTIAL OILS, FLAVOURING ESSENCES, PERFUME COMPOUNDS,  
CRUDE DRUGS, BALSAMS, GUMS, SPICES, AROMATIC CHEMICALS,  
FINE CHEMICALS AND MEDICINAL EXTRACTS.

ST BERNARD WORKS · STONEY LANE · UPPER NORWOOD · LONDON SE19  
TELEPHONE LIVINGSTONE 2287-9 · TELEGRAMS 'HANSEDA' LONDON



*Chemists!*

What do you  
know about the  
modern uses  
of Hydrogen  
Peroxide?



*This Book  
will bring  
you up to  
date*

**LAPORTE**

LAPORTE CHEMICALS LTD., LUTON

*will be pleased to  
send you a copy*

FOR SCIENTIFIC AND MEDICAL GLASSWARE OF SUPERLATIVE QUALITY

**FRANCO-BRITISH**

**GLASS CO. LTD.**

15-17 KING ST., ST. JAMES'S  
LONDON, S.W.1  
TELEPHONE · ABBEY 4151

**AMPOULES**

Bouled Injections and Powder Ampoules in large small quantities. Specialist production under experienced Chemical and Medical supervision.

**MARKWELL, EDWARDS & CO. LTD.**  
10 HIGH ROAD, LONDON, N.12. Hillside 5806  
Telegrams: Ampuls, Nottinch, London

**FACE CLOTHS**

IN EXCLUSIVE DESIGNS

Always in Stock Trade Enquiries Invited

**E. R. KINGSLEY (Textiles) LIMITED**  
9, NEW BROWN STREET, MANCHESTER. 4

To Wholesale Buyers & Trade Packers **STANDARD SACCHARIN TABLETS**

Bulk (loose) or packed by arrangement

**ASPIRIN TABLETS B.P. 5 gr.**

From odd thousand at 5/0½ per 1,000 to a million at 4 3/4 per 1,000

**CUSTOMERS OWN PROPRIETARY FORMULAE** Tableted at a reasonable charge  
**THE DALES TABLET MAKERS LTD.,** Steeton via KEIGHLEY Phone: STEETON 3222



His business is **E·X·P·A·N·D·I·N·G**

*How about yours?*

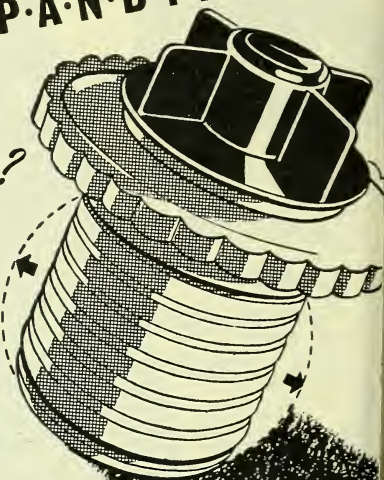
We FREEZHEATS can be trusted to produce the tops in stoppers! Never before in picnic history has there been a vacuum flask stopper that *couldn't* pop out... *couldn't* leak... *couldn't* taint the tea. But that's exactly what the SEAL-A-VAC can't do, because it *expands* to fit in the neck of any standard size flask, on a principle patented by the Freezheat family. The mouths of a million vacuum flasks are watering for a Seal-a-Vac. See how swiftly—and profitably—an attractive two-dozen display carton will clear itself on *your* counter

## SEAL-A-VAC

produced by THE BRITISH VACUUM FLASK CO. LTD.

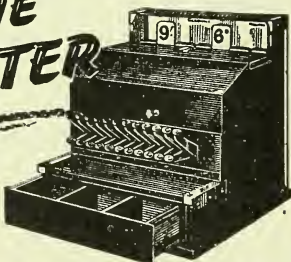
Lissenden Works, Gordon House Road, London, N.W.5

Makers of the famous FREEZHEAT Vacuum Flasks, Jugs and Picnic Sets



**CHANGE FOR  
THE  
BETTER**

get a



## GLEDHILL

British Made Cash Registers and  
Tills for every type of business

**G. H. GLEDHILL & SONS**  
LIMITED

24 Trinity Works, HALIFAX

**GALE'S NUTRITIOUS TONIC**

## MORELIX

(Regd.)

ESPECIALLY SUITABLE FOR  
CHILDREN  
AND DURING CONVALESCENCE

Contains Liquid Malt,  
Vitamins A & D, Hypophosphites  
and Virginian Prune.

DREADNOUGHT



BRAND

**GALE, BAISS & CO. LTD.**  
274/276, ILBERTON ROAD, S.E.1



One week of  
**Squeak**  
DESTROYS ALL MICE!



1/6



Mice spread disease. Three years of scientific research produced SQUEAK the positive mouse killer. Painless to mice. Harmless to children and pets.

FROM CHEMISTS, STORES, ETC. OR DIRECT FROM

**SOREX (London) Ltd** 105, TONBRIDGE ROAD  
MAIDSTONE • KENT

... RAPID  
REGULAR SALES  
because  
**IT REALLY  
IS EFFECTIVE!**

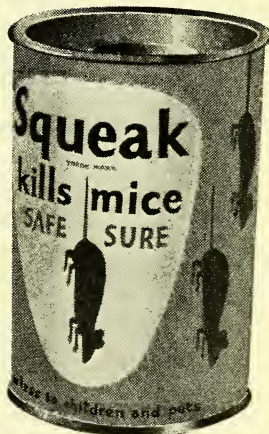
ANTI-COAGULANT MOUSE EXTERMINATOR

Typical of the national advertising which will direct men and women to your shop to ask for SQUEAK is this powerful advertisement appearing regularly in "John Bull" and "Illustrated"

The active principle of SQUEAK is an anti-coagulant of the dicoumarin type. Three years of research and trials have proved the efficacy of SQUEAK. Safe for children and pets. Does not contaminate food.

**STOCK UP WITH SQUEAK**

National advertising—and the recommendation of your customers—will make SQUEAK the biggest, fastest and easiest seller.



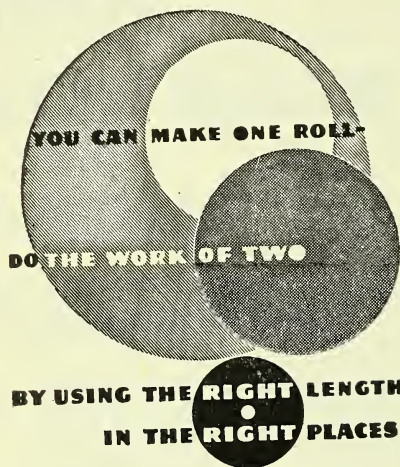
If any difficulty in obtaining supplies, write to the proprietors, enclosing the name of your wholesaler:—

**SOREX (London) Ltd**

105 TONBRIDGE ROAD  
MAIDSTONE • KENT  
Telephone: MAIDSTONE 2894



## GUMSTRIP SEALING TAPE IN SHORT SUPPLY



### ● THE AUTOMATIC CUT

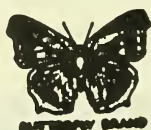
By using one of the Camberwell Beauty Sealing Machines you avoid tape wastage. The Automatic Cut gives you the required length of Gumstrip correctly moistened for any carton or package.

### ● THE MOISTURE CONTROL

For a good stick it is essential that Gumstrip should have the correct amount of moisture. The moisture control unit ensures an even moisture distribution, because the water level is automatically maintained.

ISSUED BY

**SAMUEL JONES & COMPANY LTD.**  
NEW BRIDGE STREET, LONDON, E.C.4



BUTTERFLY BRAND

*'Health Insurance'  
demands*



OBTAINABLE  
ONLY FROM  
CHEMISTS!

ALSO IN  
INTERLEAVED  
SELF CONTAINED  
CARTON PACKS

**HAROLD WESLEY LTD**  
**HARLEY MILLS**  
**LONDON N.W.10**

THE

# FLUID

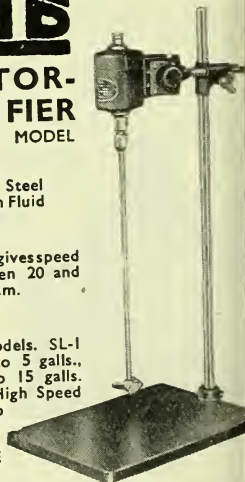
**AGITATOR-  
EMULSIFIER**  
LABORATORY MODEL  
SL-A

All Stainless Steel  
Contact with Fluid

Built-in Control gives speed  
variation between 20 and  
2000 r.p.m.

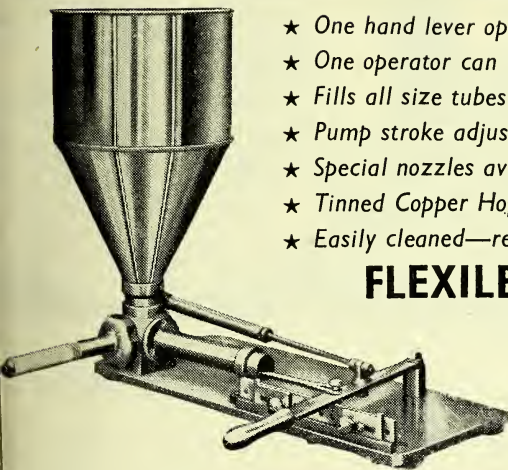
Also larger models. SL-1  
for vessels up to 5 galls.,  
and SL-2, 10 to 15 galls.  
capacity. S.C. High Speed  
Agitators for up  
to 500 galls.

**IMMEDIATE  
DELIVERY**



**FLUID EQUIPMENT CO. LTD**  
(Dept. S.D.) 83 Seafield Road, London, N  
Phone: ENT 2565

# The *Flexile* HAND-OPERATED FILLING MACHINE



- ★ One hand lever operates pump and valve.
- ★ One operator can fill 25 to 30 gross of tubes per day.
- ★ Fills all size tubes from  $\frac{3}{8}$ " to  $1\frac{1}{4}$ " diam.
- ★ Pump stroke adjustable to give exact volume required.
- ★ Special nozzles available to fill jars and bottles.
- ★ Tinned Copper Hopper; gunmetal valve and pump.
- ★ Easily cleaned—requires little bench space.

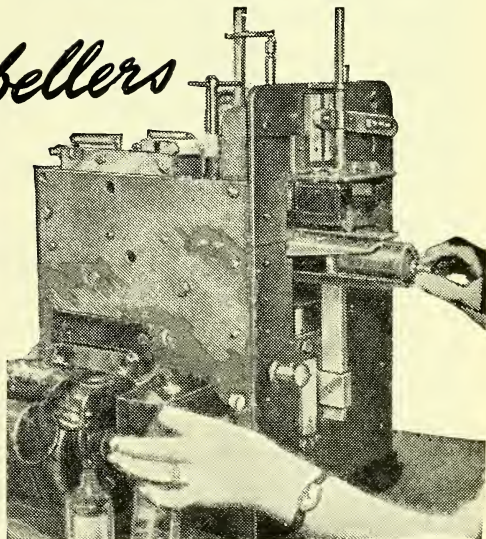
## FLEXILE METAL CO. LTD.

796 HOLLOWAY ROAD, N.19  
ARCHWAY 1138

Price with one nozzle £36  
Demonstration gladly arranged

# the **NEWMAN** *6 Point Labellers*

- COMPACT** — Portable and sturdy.
- ABSOLUTE PRECISION** — Every label plumb centre.
- SMOOTH RUNNING** — Practically silent — bottles cannot jam. Safe and easy to operate.
- MAXIMUM OUTPUT** — 2,400 bottles labelled every 60 minutes.
- VERY SIMPLE MAINTENANCE** — Gives continuous performance.
- GUARANTEED** — Such is our confidence in the workmanship put into these machines that we give a year's guarantee.



# NEWMAN

LABELLERS

There are other Newman Labellers for all-over gumming and an Automatic Machine for completely or partly labelling small cylindrical objects from  $\frac{3}{8}$ " to  $1\frac{1}{8}$ " diam. Details on request

D. TRAPOW & CO. LTD., ENGINEERS, (DEPT. 5), 113 REGENTS PARK RD., CHALK FARM, LONDON, N.W.1  
Phone: PRImrose 6688



# ratero

*The New Scientific Discovery*

**WHICH DESTROYS RATS  
WITHOUT HARMING LIVESTOCK**



## Outstanding Success From National Advertising

Probably the most remarkable aspect to the development of RATERO, the new rodenticide, has been the rapid acceptance by the public of this new form of rodent control. This not only indicates a latent demand for an effective, safe rodenticide but also that RATERO is not "just another rat poison".

From the encouraging results of original tests and experiments, and from reports of many satisfied users, RATERO is certain to become the leading method for the destruction of rodents. Fed to rats and mice, RATERO produces internal haemorrhage and results in painless death. Simple to use, RATERO does not produce bait shyness, thus eliminating the need for pre-baiting.

*Big Demand already under way!*

**STOCK UP NOW** This fast selling line is not a poison. It is available in 4 oz. packages, retail price 12/6d. and 16 oz. size 40/-. Each 4 oz. of RATERO makes 5 lb. of bait which is sufficient for average infestation. The larger size is available for use where infestation is more severe. On the basis of results, with safety, RATERO is considerably cheaper than other forms of rodenticide. Make sure that you have RATERO in stock and reap immediate benefit from this new form of rodenticide.

*Supplies of RATERO are available from your usual wholesaler.  
In case of difficulty or for further information write to the manufacturers of RATERO.*

**TOBAL PRODUCTS LIMITED** PERIVALE · GREENFORD · MIDDLES



# NATIONAL

**DISPENSING  
BOTTLES**

1-oz. to 20-oz.

**RIBBED OVALS**  
Cork Mouth or Screw

**VIALS**

½-oz. to 3-oz.

**TABLET  
BOTTLES**  
Nos. 1 to 7½ sizes.

**ROUND SCREW  
JARS**

Tall and Semi-Squat

**PANELLED  
FLATS**

1-oz. to 4-oz.

**BOW FRONT  
PANELS**

1-oz. to 8-oz.



**NATIONAL GLASS WORKS (YORK) LTD.**

BERGATE, YORK, England. Tel. York 3021

at 105, Hatton Garden, London, E.C.1. Tel. Holborn 2146

**WHOLESALE ONLY**



**TRADE  
MARK**

# Ortho the ethical name in Contraception . .



**Ortho-Gynol:** contraceptive jelly.

Package A: 3 oz. tube, with Ortho Applicator.

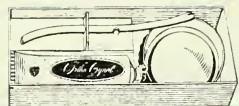
Package B: 3 oz. tube.



**Ortho-Creme:** contraceptive cream.

Package A: 2½ oz. tube, with Ortho Applicator.

Package B: 2½ oz. tube.



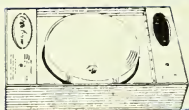
**Ortho-Gynol Set:** containing:

3 oz. tube of Ortho-Gynol

Ortho Diaphragm

Ortho Diaphragm Introducer } in sizes 55 to 95  
(in 5 mm. gradations)

**Ortho-Creme Set:** as Ortho-Gynol Set with tube of Ortho-Creme instead of Ortho-Gynol in sizes 55 to 95 (in 5 mm. gradations).

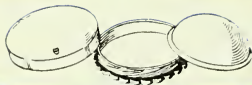


**Ortho Diaphragm Duo-pack:** containing

Ortho Diaphragm in sizes 55 to 95 (in 5 mm. gradations)

1 oz. trial size Ortho-Gynol.

¾ oz. trial size Ortho-Creme.



**Ortho Diaphragm:** coil spring, rubber diaphragm sizes 55 to 95 (in 5 mm. gradations).

Strong, light, durable, the Ortho Diaphragm is a contraceptive device of outstanding quality and dependability. Each is packed in a permanent and beautiful plastic box.



**Ortho Applicator:** for vaginal application of measured dose (5 cc.) Ortho-Gynol or Ortho-Creme.

**Ortho Diaphragm Introducer:** individual introducers to accommodate diaphragms sizes 55 to 95 (in 5 mm. gradations)

Supplies through your usual wholesaler, please!



## Ortho Pharmaceutical Limited

HIGH WYCOMBE · BUCKINGHAMSHIRE · ENGLAND

*Makers of Gynaecic Pharmaceuticals*



*The  
Complete Service*

**WASHED AND  
STERILIZED  
READY FOR USE**



FITTED  
KORKALITE,  
MOULDED OR  
ALUMINIUM CAPS



CORKMOUTH

**UGB**

**UNITED GLASS BOTTLE  
MANUFACTURERS LTD.**

8 LEICESTER STREET, W.C.2

GERRARD 8611 (18 Lines) Grams: UNGLABOMAN LESQUARE, LONDON



# MONSANTO

*—for fine chemicals  
with a fine reputation*

---

Monsanto has been prominent in the fine chemical field since the first world war. Today, Monsanto can offer the pharmaceutical industry a reliable, high-quality range of chemicals, backed by equally dependable research, technical and commercial services.

For full details, write General Chemicals Sales Dept.,  
Monsanto Chemicals Limited, Allington House, London, S.W.1

**MONSANTO CHEMICALS LIMITED, ALLINGTON HOUSE, ALLINGTON ST., LONDON, S.W.1**

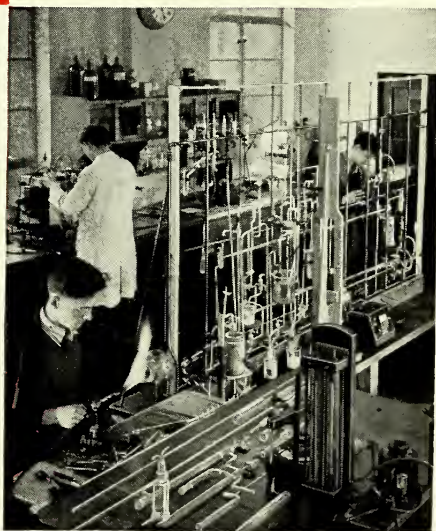
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*MONSANTO'S FINE  
CHEMICAL RANGE includes:*

- ASPIRGRAN** ●  
(Granular aspirin for direct tableting)
- ACETYL SALICYLIC ACID BP** ●
- METHYL SALICYLATE BP** ●
- SODIUM SALICYLATE BP** ●
- SALICYLIC ACID BP** ●
- SALICYLIC ACID TECHNICAL** ●
- PHENOL BP** ●



- PHENACETIN BP** ●
- BENZOIC ACID BP** ●
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- SALICYLAMIDE** ●
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- P.C.M.X.** ●
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- GRESANTOL-15** ●
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*Constant new development at Monsanto's laboratories maintains the Monsanto tradition of service to every industry.*

In association with:—Monsanto Chemical Company, St. Louis, U.S.A.  
Monsanto Canada Ltd., Montreal. Monsanto Chemicals (Australia) Ltd., Melbourne.  
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**MONSANTO**  
CHEMICALS - PLASTICS



*Now Available  
to all Chemists*

'NIAGARA' Brand Blackcurrant Syrup is rich in Vitamin C and is thus specially suitable for children, invalids and nursing mothers. It contains not less than 20 mgms. Ascorbic Acid per fluid ounce, and sufficient is now available for all to be supplied.

Sole makers

**BARNETT & FOSTER LTD.**

NIAGARA WORKS · EAGLE WHARF ROAD · N.I.

*Established in the Year 1858*

## INDIAN PODOPHYLLUM RESIN B.P.

CONCENTRATED EXTRACTS OF:— BELLADONNA FOLIO  
BELLADONNA RADIX  
STRAMONIUM  
VALERIAN

## DRUG RESEARCH LABORATORIES

*Kashmir Government*

JAMMU TAWI (INDIA)

High grade Indian Podophyllum Resin B.P. and Concentrated extracts of Belladonna, Stramonium and Valerian are being manufactured in large quantities for export, from Crude Drugs produced in our own forests and modern drug farms. For Trade Enquiries please write to THE SALES SECRETARY, DRUG RESEARCH LABORATORIES, JAMMU KASHMIR (INDIA).





**“AH! ANDREX!**

*—and what a difference”*

**NEW PRICE**

Trade 11/1d.  
per doz.

**1/3d.**

Four thousand requests for Miniature Sample Rolls of Andrex in one month! Dozens of appreciative letters from *new* users all over the country! Bigger sales by Stockists everywhere! These are the immediate results from the new, nation-wide Andrex advertising campaign, selling this different, softer tissue. And now, the price is **DOWN** when sales are **UP** — meaning a bigger turn-over and more profits for you! Keep Andrex on show—it's worth it.

*—And now the—*

**‘DOUBLE-PACK’**

Here's something new, with immediate customer appeal. Two full-size Andrex Toilet Rolls in one convenient pack—a penny saved to the customer but **THE SAME PROFIT MARGIN FOR YOU**. Order ANDREX supplies today, from your usual wholesaler.



RETAIL **2/5**, TRADE **21/2** PER DOZEN

St. Andrew Mills Ltd., London, E.17. Makers of ANDREX Toilet and Handkerchief Tissue

DOCTORS ARE PRESCRIBING

# R<sub>x</sub> Cardophylin

TRADE MARK

(BRAND OF THEOPHYLLINE-ETHYLENEDIAMINE)

VASODILATOR · RESPIRATORY STIMULANT · DIURETIC

Cardophylin is available in tablets, ampoules and suppositories.

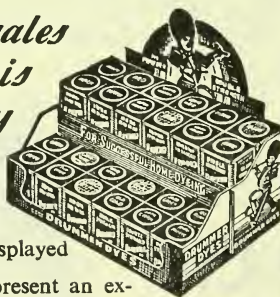
Cardophylin is the registered trade mark of the manufacturers  
Whiffen & Sons Ltd.

Literature is available on request to the distributors :—

**BENGER LABORATORIES LTD., HOLMES CHAPEL, CHESHIRE**

## AN EXCELLENT REMINDER

*ready sales  
from this  
display  
pack*



The Drummer  
Dyes clearly displayed  
in this pack present an ex-  
cellent point-of-sale reminder,  
and make an easy choice for  
your customers.

## DRUMMER DYES

The World's finest Home Dyes  
WM. EDGE & SONS LTD., BOLTON



"CELLOPHANE" CAN NOW BE USED FOR ANY PURPOSE  
"CELLOPHANE BAGS"

SPECIAL DISCOUNT OF 10% UNTIL JUNE 1st

A few stock sizes All per 1,000 (Reductions for quantities)

1½ x 2½ ... 16/- 3 x 5 ... 35/- 5½ x 10 ... 78/-

3 x 3 ... 24/- 4 x 6 ... 45/- 6 x 6 ... 57/-

2½ x 4 ... 25/- 5 x 5 ... 47/6 7 x 9 ... 85/-

"CELLOPHANE" SHEETS 30 x 20 a limited quantity  
now in stock 70/- per ream (500)

WHITE TISSUE PAPER 16 x 26 5 reams for 7/-  
10 for 140/-

SAMPLES WITH PLEASURE

**ALLAN'S** 37 FARRINGTON STREET  
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## SURE-SELLING STOCK

OVER 150 YEARS REPUTATION

## KEARSLEY'S

THE ORIGINAL

### WIDOW WELCH'S FEMALE PILL

9d. BOX PROFIT by ordering 1 doz  
3/3½ size. Bonus given on eve  
dozen (13). It pays to push this size.

**C. & G. KEARSLEY LTD.**

71 DARTMOUTH RD., LONDON, S.E.

Established 1787 In the Reign of King George

# HEWLETT'S ANTISEPTIC CREAM

THE ALL-PURPOSE CREAM WITH A USE IN EVERY HOUSEHOLD, AND  
SPECIALLY INDICATED FOR

**ABRASIONS  
CHILBLAINS  
NAPKIN RASH  
CHAPPED HANDS**

COST 18/- DOZ. + P. TAX 6/-      RETAIL 2/3 + P. TAX 6d

**BONUS TERMS**

13 to the dozen on orders of 3 dozen, direct or through your wholesaler

*These prices apply in the United Kingdom only*

1lb. Jars and 2½lb. and 7lb. Tins are also available for dispensing.

## C. J. HEWLETT & SON LTD.

MANUFACTURING

CHEMISTS

35-43, CHARLOTTE ROAD, LONDON, E.C.2

And at 216, ORR STREET, GLASGOW, S.E.



### SAMCO



## HYPODERMIC RECORD NEEDLES

SOFT OR HARD METAL MOUNT

STAINLESS STEEL

ONE DOZEN IN A BOX

N.H.S. Pattern

ALL SIZES AVAILABLE FROM STOCK

*Entirely British Made*

APPLY TO YOUR USUAL WHOLESALER

ACTUAL MANUFACTURERS

PHONE: EUSTON 1757 & 5514

## S. MURRAY & Co. Ltd.

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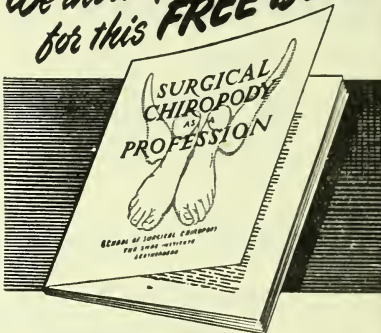
"Softer than Silk"



**ENESS**  
SANITARY TOWELS

MORRISONS & RALPH, BARRHEAD, SCOTLAND

*We invite you to write  
for this **FREE BOOK***



Most of the training necessary to qualify for a Diploma in Chiropody can now be taken at home by specialised correspondence lessons. Full particulars of how to enter this highly-paid profession from: **SCHOOL OF SURGICAL CHIROPODY** (Dept. CD), **LEATHERHEAD, SURREY**

**'ACME' THE EVER POPULAR AND RELIABLE VACUUM FLASK**



in  
assorted  
colours

RETAIL prices:

1 pt. — — 5/6  
2 pt. — — 10/11

**JUG SET**  
Retail 19/9

**JUG only**  
Retail  
14/11



**ACME VACUUM FLASK CO.**  
**PHOENIX WORKS, BRIDGEND, GLAM.**

LONDON ADDRESS: —BALFOUR HOUSE, 119-125 FINSBURY PAVEMENT, E.C.

**Chemists  
all over the  
country**



***Cash in on Coloral***

**Coloral** — the new French Hair Colour rinse, has achieved new sales records every month since its introduction to this country last June. It is now, beyond question, an *established success* and tens of thousands of women are *regular users*. If you are not stocking **COLORAL** you are missing a quick selling line which will bring you *ever increasing profits*. The attractive cards, each carrying two rinses, have only to be shown to sell. Get a stock from your wholesaler **NOW!**

**COLORAL**  
*Liquid*  
**HAIR COLOUR-RINSE**

Regularly advertised in the leading Women's Magazines and on London's Underground.

Made in six shades—Burnished Gold, Auburn, Deep Brunette, Hazel Brown, Velvet Brown, Steel Blue.

*In attractive display outers each containing two dozen cards.*

Retail Price :  
1/3 per card of 2 Rinses  
TRADE PRICE : 6/- per dozen cards (plus 100% tax), in boxes of two dozen cards of any one shade or in a fixed assortment of two dozen.  
Product of L'Oreal, Paris.

Sold and Distributed in Great Britain by  
**GOLDEN LIMITED · 2/4 DEAN STREET · LONDON · W.1 GERrard 4926**

# STANDARD SYNTHETICS LIMITED

*Actual distillers of Essential Oils  
Manufacturers of Aromatics, Perfume  
Bases and Flavours.*

*We specialise in Cinnamon Bark Oil,  
Juniper Berry Oil, Winter-  
green Oil, Eucalyptol,  
French Lavender Oil, Ter-  
peneless Lemon Oil, Rose  
Perfumes, etc.*

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Telephone 1-Riverside 3616

## COLLAPSIBLE TUBES

Collapsible Tubes from Stock, in  
1 gross lots and above, for Chemists  
and Laboratories who make their  
own creams and ointments.

Price list and samples upon request.

**IMPAX WORKS** (Mail Order Department)  
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Telephone: Feltham 4211 (2 lines)



*Importers of  
fine Chemicals &  
Pharmaceuticals*

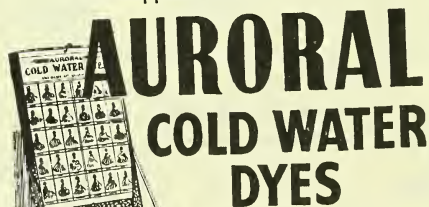
**HALEWOOD CHEMICALS LTD**  
111-115 EASTBOURNE MEWS, LONDON, W  
AMB 4198 & 5457

## INCREASE YOUR DYE SALES

Link up with the Auroral Press Adver-  
tising now appearing by displaying this

### COUNTER CABINET

supplied FREE with



# AURORAL COLD WATER DYES

Price 4/- per dozen less 5%  
for cash in 7 days.

Retail (P.A.T.A.) — 6d.  
per packet.

**ATTRACTIVE SHADE  
CARDS AND SHOW-  
CARDS AVAILABLE**

**WHITAKER & CO. (KENDAL) LTD.**  
DYE AND CHEMICAL MANUFACTURERS KENDAL



The Destruction of **RATS** and **MICE**  
is every one's business. Supplying  
the best Raticide is the **CHEMIST'S**  
business.

SELL

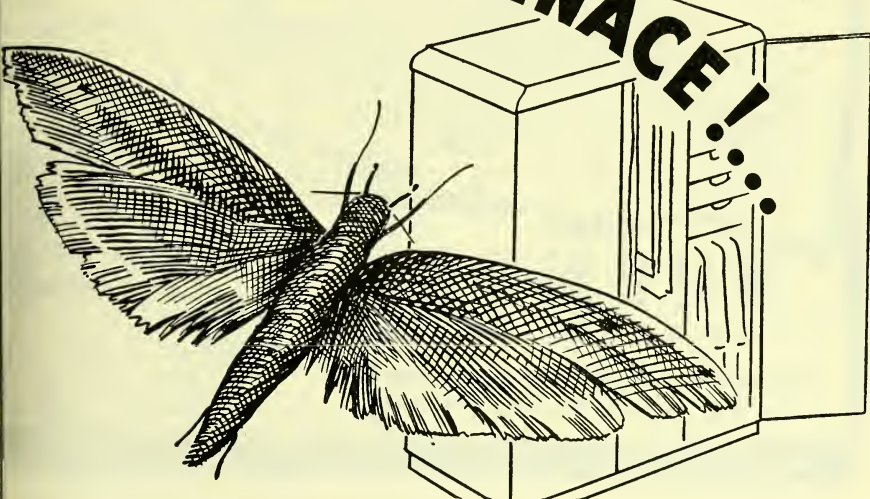
# RODINE PHOSPHORUS or RED SQUILL

and you are sure of satisfied  
customers and substantial profit

**THOMAS HARLEY LTD., PERTH, SCOTLAND**  
P.A.T.



Help your customers to fight  
the **MOTH MENACE!**



— with a profitable line

With clothing and fabrics getting dearer, PROMOL MOTH RINGS and CRYSTALS will be in greater demand than ever. Show your customers how these *kill on contact* . . . moths, larvae and eggs — for *quick sales*. PROMOL contains Naphthalene, Paradichlorbenzenum and D.D.T. The first two slowly evaporate, leaving the deadly D.D.T. as a fine powder to *kill by contact*. The eye-compelling red, white and blue cartons, Cellophane wrappings and attractive prices make PROMOL a really profitable line.



# PROMOL

## MOTH RINGS

RETAIL PRICES:  
(Per packet of 8 rings.)  
JUNIOR SIZE . . . . . 6d.  
STANDARD SIZE . . . 1/-

Enquiries welcomed

OMEDICO PRODUCTS 21-22 TURLE ROAD, LONDON, N.4

*Self Service pays for itself*

THE GROCER

**SELF-SERVICE EXPERTS RETURN FAVOURABLE VERDICT****Turnover Up, Expenses Down, Queues Out  
SHOPS OF 400 SQ. FT. NOT TOO SMALL FOR CONVERSION**

A team of experts at a Brains Trust in London recently gave it as their opinion that self-service retail distribution had come to stay. A general sales manager went so far as to say that he expected the current total of 900 self-service retail outlets to be multiplied tenfold in the course of the next four years. Queues were claimed to be a thing of the past, and estimates were given of passing 100 and 114 customers through the check-out lane in one hour. Members quoted turnover increases of 70 and 100 per cent. after conversion and substantial reductions in labour costs.

Extract from *THE GROCER*, Aug. 4, 1951

**SHOMORE  
SELF SERVICE****for more sales - bigger profits  
and happier customers**

Write for Free Booklet...

**PARNALL & SONS LTD., LODGE CAUSEWAY, FISHPONDS, BRISTOL.**

**COMPRESSED  
TABLETS**

**AMINOPHYLLINE  
A.P.C.  
BARBITURATES  
CARBROMAL  
CODEINE CO.  
EPHEDRINE HCL.  
SULPHA. DRUGS  
THYROID  
VITAMINS**

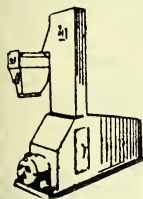
**AMBER PHARMACEUTICALS LTD**

*Manufacturers of Fine Chemicals and Pharmaceutical Products*

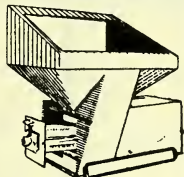
**BYRON HOUSE, 7-9 ST. JAMES'S STREET, LONDON, S.W.**



# A Service to ensure **BETTER RESULTS** in Powder Processing



FEEDER  
ELEVATOR  
SIFTERS



SIFTERS



VERTICAL  
MIXERS

THE GARDNER laboratory is equipped to give a special service to manufacturers in the testing of their product to ascertain the best method of securing accurate batches to particular specifications. No matter what the problem, Gardner's experience of over three generations is available to obtain the quickest and most economic machinery to suit your particular product.

Standard machines, redesigned to incorporate the advantages of modern engineering practise, are available for all powder processing, and special machines can be designed when necessary.

Please send your materials for a test or write for details of latest standard machines.

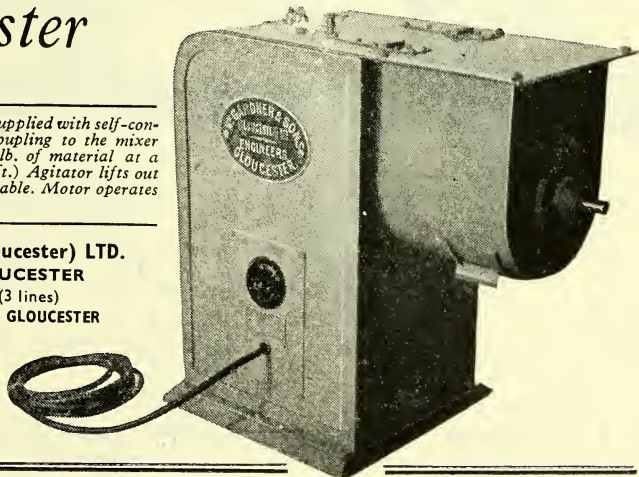
## **GARDNER'S**

*of Gloucester*

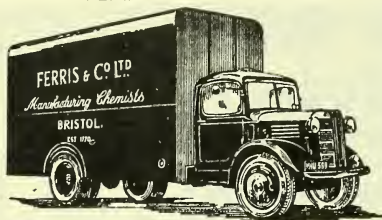
*New laboratory type Mixer, supplied with self-contained motor and gear for coupling to the mixer shaft. Handles approx. 14lb. of material at a charge (at 40/45lbs. per cu. ft.) Agitator lifts out in one piece. Easily transportable. Motor operates on single phase supply.*

**GARDNER & SONS (Gloucester) LTD.**  
BRISTOL ROAD, GLOUCESTER  
Tel.: Gloucester 21261 (3 lines)  
ables & Telegrams: GARDNER, GLOUCESTER

London Office: 19 GRAY'S INN  
LONDON, W.C.1  
Tel.: CHAncery 7347







## REGULAR ROAD DELIVERIES

*In the West of England and  
South Wales Areas*

*The House in the West for all  
Chemists' Supplies*

Send us your orders for prompt and  
careful attention.

**FERRIS & COMPANY LTD.**  
**BRISTOL**

Manufacturing and Wholesale  
Chemists

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Agar Agar  
Aloes  
Cantharides  
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Condurango Bark  
Ergot of Rye  
Grindella Herb  
Liquorice  
Lobelia Herb  
Papain  
Peppermint Oil  
Sabadilla Seed  
Sarsaparilla  
Wild Cherry Bark  
Witch Hazel Leaves  
and all other Botanicals,  
Gums, Waxes, Essential Oils  
and Spices

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Branches In New York and Hamburg



HERE'S THE STING

Why is Calsol Milk a best seller? because  
it doesn't solidify, doesn't separate—  
keeps its satin-smooth creaminess on the  
beach, in the home—and on your shelves!

HERE'S THE THING



**CALSOLO MILK** made by **JEFFREYS MILLER & COMPANY LIMITED.**  
LEYLAND MILLS WIGAN

# GALLIC ACID PYROGALLIC ACID

(RESUBLIMED, PURE CRYSTAL AND TECHNICAL)

**AND DERIVATIVES**

WHOLESALE AND EXPORT ONLY

**J. L. ROSE, LIMITED, ABBEY ROAD, BARKING, ESSEX**

## IMPORTANT NEWS FROM J. BIBBY & SONS LIMITED

# 2 BIG ADVERTISING CAMPAIGNS

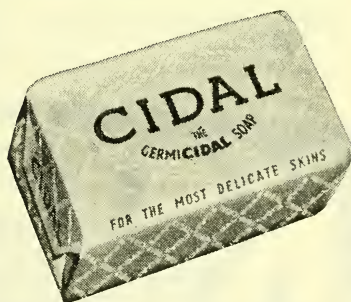
## Araby TOILET SOAP

On April 1st a new advertising campaign in the 8 leading women's magazines started for ARABY Toilet Soap. These magazines, with a total circulation of 8,564,588, are carrying whole and half pages (some in brilliant colour) for the rest of the year. This will be an outstanding campaign aimed at the mass market for toilet soap.



## CIDAL GERMICIDAL SOAP

A new campaign for CIDAL Germicidal Soap opened on April 1st. Leading magazines are being used for this advertising, led by the Radio Times with its nation-wide circulation of 8,109,663 and its enormous influence on the housewife's shopping. A large-scale campaign is also appearing in the professional journals read by doctors, dentists, pharmacists, veterinary surgeons, nurses and hospital administrators.



**YOU** can share in this business. Write for full details of our generous trade terms to:  
SALES DEPARTMENT, J. BIBBY & SONS LIMITED, LIVERPOOL 3.

# Introducing a new Contraceptive Cream

ANTEMIN has been formulated in the light of modern research to afford all the qualities desirable in a contraceptive preparation.

## Antemin

Retail Price . . 3/- per tube

Trade Discount 33 $\frac{1}{2}$ %

- Cosmetic type cream base—Non-friable & tenacious.
- Spermicidal activity S/8.
- pH. value approximating to normal vaginal secretion.
- Non-irritant to the vaginal mucosa—Non-toxic.
- Simple in application. Inexpensive.
- Approved by the Family Planning Association for use in conjunction with mechanical barrier.

Medical literature available to  
Pharmacists on request.



Manufactured by

### COATES & COOPER LTD.

PYRAMID WORKS · WEST DRAYTON · MIDDX.

## Keen buyers

buy Kay's Linseed Compound in 50/- lots and use the eye-catching showcard to make a striking display



also Kay's Compound Pastilles

## ATTENTION!

### DRIED YEAST B.P.C.

Recognised as

### MEDICINAL YEAST

Supplied in 1 lb tins by

THE DISTILLERS CO. LTD.,

12 Torphichen Street,  
Edinburgh, 3

### CHEMISTS' SUNDRIES (PRESTON) LTD.

For

### SURGEXA

REGISTERED BRAND  
SUPER CREPE BANDAGES

DRESSINGS, SUNDRIES and PATENTS.

24 HOUR DELIVERY SERVICE

306-308 STATION ROAD, BAMBER BRIDGE, PRESTON  
TELEPHONE: PRESTON 85403



# An Attractive Display will increase PEAK SEASON SALES for BILE BEANS

A postcard will bring you  
this 9-colour 9" x 6"  
showcard by return.



Order ample stocks now and make a counter display around this attractive new showcard. You will be backed by continuous advertising. Sales gained at this peak period make for regular all-the-year sales and increasing profit.

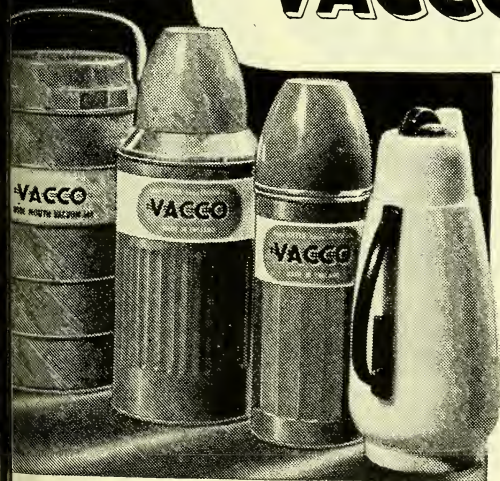
Include in your order these other popular lines:

1-BUK OINTMENT & MEDICINAL CREAM, PEPS  
Zamcones Suppositories, Kutnow's Saline,  
P.P.'s Pastilles and  
Ven-Yusa Toilet Cream.



E. FULFORD LTD., LEEDS 2

## VACCO Vacuum Vessels



All the models in our range are fitted with VACCO refills of extra high thermal efficiency. This ensures minimum temperature change — hot contents keep piping hot and cold contents keep icy cold.

MADE IN ENGLAND

Enquiries to:

**VACCO LIMITED**  
Grosvenor Gardens House,  
Grosvenor Gdns., London, S.W.1.

Wide mouthed  
pint Vacuum Jar  
Model J.101

2 pint  
Vacuum Flask  
Model Q.F.

1 pint  
Vacuum Flask  
Model S.C.

1 pint Plastic  
Vacuum Jug  
Model P.J.

FOR

PATENTS

DRESSINGS

PILLS &amp; TABLETS

DANGEROUS DRUGS

DRUGS &amp; GALENICALS

ETHICAL PROPRIETARIES

**SMITH & HILL**  
(Chemists) Ltd.**SIDNEY ST., SHEFFIELD, 1**  
Phone: 24321**PACK  
CHEMICALS  
& DRUGS***speedily, securely  
and attractively  
with***Gosheron**  
*self-adhesive TAPES*★ Use Transprint to name,  
number, route, publicise

Samples with pleasure

**JOHN GOSHERON & CO LTD**  
Gayford Road London W12**TWO NEW DESIGNS**  
**in DUNLOP**

BRUIN

**CHILDREN'S  
HOT WATER  
BOTTLES**

Young customers will love these cuddly bottles. And mothers will gladly put their trust in Dunlop value and quality. Children's bottles are also available in Clown, Bunny, Doggy, Teddy, Kitty and Red Riding Hood designs.



MONKEY

See these new designs at the B.I.F. Chemists Supplies Section, Olympia Stand No. D 24/  
Dunlop Rubber Co. Ltd., (General Rubber Goods Division), Cambridge Street, Manchester 20



**Keep them skipping fit Mother!**

**with EDME "Autumn Sun"**

EXTRACT OF MALT  
WITH COD LIVER OIL

*The finest protection for chills and ills*

**Have you seen**



new beautifully designed  
showcard size 23" x 17½" in  
full colours?

With the two side panels 17" x 10½"  
each also supplied, the whole makes  
an attractive window display that  
compels attention, and creates sales.

THE COMPLETE SET IS FREE. Ask  
our representative, or write to us  
for your FREE set.

EDME "AUTUMN SUN" is the  
Malt and Oil with the "taking  
flavour."

For prices and further particulars write to:—

**EDME LIMITED**  
84-86 REGENT ST., LONDON, W.1  
Phone 1 Regent 5563-4

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by L. M. Spalton, B.Pharm., M.P.S.

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# CHEMIST AND DRUGGIST

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## NEWS OF THE WEEK

**Fifth World Health Assembly.** — The World Health Assembly, the legislative organ of the World Health Organisation, commenced its fifth annual session in Geneva on May 5. It will last for three weeks.

**Retail Trade in February.** — Board of Trade figures show that average weekly sales by independent chemists during February were 18 per cent. higher than in January and unchanged from February 1951. Figures for large-scale shops were 5 per cent. and 7 per cent. higher respectively.

**Register of Biological Consultants.** — The Institute of Biology, Tavistock House North, Tavistock Square, London, W.C.1, has established a register of biological consultants covering agronomy, bacteriology, chemistry, ecology, entomology, fisheries, forensic biology, histology, microbiology, nutrition, pest control, protozoology, river pollution, etc.

**Hospital Pharmacy Negotiations.** — A meeting of the staff side of Committee C of the Pharmaceutical Whitley Council, held in London on May 2, was followed

by a meeting with the management side. The staff side had submitted a memorandum on the grading of mental hospitals, and after discussion it was agreed to set up a joint subcommittee to investigate the problem and report back to the full committee. Messrs. W. S. Benjamin, J. W. Hadgraft, A. G. Shaw and B. Smith were nominated as staff-side representatives to the subcommittee. Progress was made towards an agreement (to become effective from July 1) on reassessment of points. It would take into account the bed-occupation figures and out-patient attendances for the period January to December 1951.

**Wages Claim.**—The trade union side of the National Joint Industrial Council for Retail Pharmacy (England and Wales) has applied for the following wage increases in all areas:—

Qualified managers and manageresses and pharmacists (male and female) for the first, second and third year after qualifying, 35s.

Unqualified assistants (male and female) who have completed not less than three years' continuous experience in pharmacy and who are wholly or mainly engaged in dispensing: at ages twenty to twenty-four years inclusive, 25s.

Shop assistants (male and female) and all other male workers (other than apprentices) at terminal age of twenty-four years, 20s. (proportionate increases at ages below twenty-four years). A meeting of the Council on May 29 will consider the application.

**Latin-American Scholarships.**—Under the auspices of the Federation of British Industries, a delegation headed by Sir Arthur Fleming, C.B.E. (chairman, F.B.I. overseas scholarships committee), is to visit nine of the Latin-American republics. Its aims are to make more widely known the engineering training facilities (including chemical engineering) that are available in the United Kingdom, to discuss how best the Federation's overseas scholarship scheme (established three years ago) can be adapted to the needs of Latin-American engineering graduates, and to make preliminary arrangements for the selection of suitable candidates for scholarships.

**Chemical Organisations' Joint Meetings.**—The Chemical Society and the Royal Institute of Chemistry held their first joint anniversary meetings in Dublin from April 15 to 18. At the 111th annual meeting of the Chemical Society, held on April 16, Sir Eric Rideal gave his presidential address on "Colloid Science—A Chapter in Chemistry." The seventy-fourth annual meeting of the Royal Institute of Chemistry was held on April 18, when the presidential address, given by Mr. H. W. Cremer, was entitled "Worthy Ends and Expectations." A joint scientific meeting was held on April 17, when Dr. V. C. Barry gave an address on "Studies in the Chemotherapy of Tuberculosis." He gave the history of the subject over the past fifty years. With the increasing knowledge of chemistry and of biochemistry, a rational method of interfering with chemical actions fundamental to the metabolism of the causative organism might eventually be found.

**London Pharmaceutical Committee.**—At a meeting of the London Pharmaceutical Committee on April 22, Mr. Clifford Evans in the chair, the following officers were appointed: *Chairman*, Mr. R. Collings; *Vice-chairman*, Mr. H. Warburton. Members of committees of the London Executive Council were appointed as follows: *Pharmaceutical Service*: Messrs. G. B. Barnard, H. R. Edgecombe and Clifford Evans. *Hours of Service*: Messrs. G. H. Armitage, W. H. Green and D. J. Vosper. The annual report, statement of accounts and balance sheet, were

approved, and the reports of the Central Checking Bureau for August and September 1950 were accepted. The secretary reported that representations had been made to the Committee regarding the publication of rota arrangements in local weekly newspapers: the matter was referred to the hours of service subcommittee. Pharmacies in the Committee's area on March 31 numbered 1,120.

**Doctors and N.H.S. Dispensing.**—The general medical services committee of the British Medical Association, in a report to the 1952 annual conference of representatives of Local Medical Committees states that the committee has been perturbed at the large number of prescriptions for cod-liver oil and malt that have been referred to those committees. Representations were made to the Ministry and pricing bureaux had been instructed to refer such prescriptions or in unusual circumstances. The committee also suggested that patients suffering from tuberculosis should in future obtain cod-liver oil and malt from local health authorities. Similar action has been taken on the prescribing of glucose for diabetics. The committee had accepted the advice of the Joint Committee of the B.M.A. and Pharmaceutical Society that it was not feasible to prescribe the National Formulary equivalent of a proprietary medicine by writing on a prescription the letters "N.F.E." The committee was protesting to the Ministry against a proposal of the North-east Metropolitan Regional Hospital Board to allow specialists to prescribe on Form EC10 (H.P.) at the Board's clinics held on local-authority premises.

## IRISH NEWS

**Northern Ireland Register.**—The 1952 Register of the Pharmaceutical Society of Northern Ireland can now be obtained from the secretary, 73 University Street, Belfast.

**Examination Results.**—Forty-two candidates sat for the recent Assistants' examination held by the Pharmaceutical Society of Ireland. The following were successful: Anna B. D. Hayes, Alice M. Cassidy, Ellen Farry, Michael Joseph Cahill, Kevin McArdle, Denis McCarthy, David F. Noonan, Mary McCarthy, Eileen M. McCarthy, Ethel Mary Marmion, Mary Teresa Cull, John V. O'C. O'Regan, Edward O'Keefe, Patrick O'Rahilly, Timothy Condon, Jo



oche, Mary Farrelly, Annie Tobin,atherine A. Walsh, John B. Nolan andames Fitzgibbon.

**Health Service Accounts.**—The report of the Northern Ireland Comptroller and Auditor-General (Mr. G. H. E. Parr) on the accounts of the Northern Ireland General Health Services Board showed that, at March 31, 1951, only twenty-six per cent of prescriptions had been made. During the year the pharmaceutical services continued to expand, and the expenditure

£1,592,468 was almost 25 per cent more than in 1949-50. Chemists and suppliers of appliances received £1,489,636. The number of prescription forms dispensed was 4,805,172, compared with 3,344,778 in 1949-50, and the average cost increased from 5s. 9d. to 6s. 2d.

**Talk on C.F.**—At a meeting of the Armagh Chemists' Association held in the City Hall, Armagh, on April 24, the special guests were Mr. W. R. McNabb, resident, Ulster Chemists' Association, and chairman, Northern Ireland Chemists' Federation Committee), and three other members of the Committee (Messrs. J. Caldwell, C. A. Quinn and W. H. Mullolland). Mr. Caldwell, in a talk on C.F., said the future of pharmacy depended on every pharmacist supporting the principle of the movement. The visitors, including a number of chemists from Dúnannon, were welcomed by Mr. W. P. Hart, who presided, and Mr. J. A. Boyle.

**Dublin Pharmaceutical Displays.**—Pharmaceutical and allied industries were well represented at an exhibition in connection with the Royal Dublin Society's Spring Show, Ballsbridge, Dublin, May 10. A composite exhibit showed the veterinary products of Imperial Chemical (Pharmaceuticals), Ltd., and the agricultural preparations of Plant Protection, Ltd., Day, Son & Hewitt (Ireland), Ltd., and Stereomedicines and Appliances. Spratts (Ireland), Ltd., displayed dog, cat, and bird foods and remedies. Jeyes Sanitary Compounds Co., Finglas, showed a range of their products. Sandoz Products (Ireland), Ltd., displayed a comprehensive range of agrochemical products, including preparations for the control of crop and plant diseases and insect pests. Boots, Ltd., showed veterinary and horticultural preparations. Mountmellick Products, Ltd., were playing malt and other products, and the Irish Glass Bottle Co. their containers. Cosmetic stands were staged by Dawn Beauty Preparations, Ltd., and Crystal Products (Eire), Ltd.

## LOCAL DINNERS

**Birkenhead and Wirral.**—The Birkenhead and Wirral Pharmacists' Association held a dance at Port Sunlight on April 17 in aid of charities for the Pharmaceutical Society. About three hundred and fifty people attended. As a memento of the evening, handkerchiefs fashioned into small parasols were distributed among the lady guests.

**Tribute to Bradford College.**—The annual dinner and dance of the Bradford Branch of the Pharmaceutical Society was held in Bradford on February 20. Proposing the toast "The City of Bradford," Mr. W. Wright Hudson (chairman of the Bradford Pharmaceutical Committee) paid tribute to Bradford Technical College as "long being worthy of university status" and said that its pharmaceutical department was one of the finest in the country. The deputy lord mayor of Bradford replied stating what was being done to get university status for the college.

**Council Member at Durham.**—At the annual dinner of the Durham County Branch of the Pharmaceutical Society held in Durham recently, Mr. H. Steinman (a member of the Council of the Society) replied to the toast "The Pharmaceutical Society" proposed by Mr. E. E. Pattison (Branch president). He gave a report on the Society's negotiations with the Ministry of Health and told members that their interests were being closely guarded. "The Visitors" was proposed by Mr. J. A. Nichols, Mr. N. McQueen, Newcastle-on-Tyne, responded. A collection was taken for the Benevolent Fund.



Mr. Angus Nicholson being presented with binoculars by Mrs. Alex. Scott, wife of one of the directors of Pinkerton, Gibson & Co., Ltd., to mark his completion of fifty years' service with the company. He was also presented with a silver coffee service.

## BRANCH AND ASSOCIATION MEETINGS

**Romford Officers and Resolutions.**—At the annual meeting of the Romford Branch of the Pharmaceutical Society held at Gidea Park on April 7 the following officers were elected:—*Chairman*, Mr. K. F. Moorey; *Vice-chairmen*, Messrs. L. Parkinson and R. P. Small; *Treasurer*, Mr. K. Holland; and *Secretary*, Mr. J. D. Mackenzie, Geoma, Bridge Avenue, Uppminster, E.ssex. Resolutions that a fund should be started for the purpose of purchasing a chairman's chain of office and that a Benevolent Fund adviser should be appointed were adopted. Mr. J. E. Davey was later elected to the office. Motions on the agenda for the Branch Representatives' meeting were considered.

**Benevolence and Birdsgrove House.**—When Miss M. A. Burr (a member of the Society's Council) addressed a meeting of the Hounslow Branch of the Pharmaceutical Society in Hounslow on April 8, she was presented by Mr. W. H. Bowden (chairman) with a cheque for £21 for the Birdsgrove House Fund, on behalf of the Branch. Miss Burr reminded the meeting that it was a Charter obligation of the Society to maintain such funds as the Benevolent, Orphan, Glyn Jones, Students', and Birdsgrove House Funds. She stressed the informal way in which grants were made, and the "country club" atmosphere of Birdsgrove House where pharmacists or their wives could enjoy pleasant convalescence with a minimum of restriction.

**Medical Reminiscences at Glasgow.**—At a meeting of the Association of Glasgow Pharmacists held at Glasgow on March 27, the president (Mr. A. T. Munro) in the chair, Dr. Archibald M. Laurie gave some of his observations on the past fifty years of medicine, describing the conditions at the Glasgow Royal Infirmary at the beginning of the century. When he began to practise most doctors did their own dispensing. He doubted whether chemists ought to be expected to collect the shilling levy. After the address the meeting adopted a resolution that the local Pharmaceutical Committee should be requested to take steps to establish interim payment for National Health Service prescriptions in the month in which they were lodged with the Executive Council.

**Advice from an Inspector.**—At a recent meeting of the Epsom and Sutton Branch of the Pharmaceutical Society,

Mr. F. C. Highfield (an inspector of the Society) gave his "Pharmaceutical Observations." He pointed out that though, for most chemists, the amount of private dispensing had fallen considerably, appropriate records (particularly of Schedule 4 prescriptions) should be kept. He advised members to check the formulas and labels of their own proprietary medicines for errors. The best form of advertising was in the service given, the appearance of the windows and of the shop itself, and the manners of the assistants. In the past seven years, thanks perhaps to the National Health Service, the standard and equipment of dispensaries had greatly improved. Mr. Highfield urged every member who had the facilities to train an apprentice to do so, for pharmacy was at last becoming a profession.

**Weights and Measures and the Pharmacist.**—At a meeting of the South Shields Pharmacists' Association held at South Shields on April 7, Mr. R. Turner Bell (chairman) presiding, an address on "Weights and Measures, and How they Affect the Pharmacist" was given by Mr. J. Storey (local weights and measures inspector). The average life, he said, of a 2-oz. dispensing balance was about four years. When new it was sensitive to a tenth of a grain, and in that condition (or after repair) the tolerance was gr. 0.3. The sensitivity decreased to a limit of gr. 0.9. The greatest enemy of accuracy was the chemical action certain substances had on the knife edges. The balances that had the beam and indicator totally enclosed avoided such faults. New ideas in laboratory balances included projection of the indicator to any suitable position by light reflection, and the damping down of the oscillations of the beam by air brakes. With very sensitive balances it was possible to weigh amounts as small as a microgram to an accuracy of 3 per cent. The most necessary requirement for trouble-free weighing was a solid platform for the scale to prevent oscillations of the beam. Brick supports and a concrete top were the most satisfactory. Preservation of the dispensary weights was generally not of a high standard. The periodical removal of chemicals with a suitable solvent would have surprising results. Personal weighing machines and baby weighers could be tested and reported on for a payment of 7s. 6d. yearly.



## TOPICAL REFLECTIONS

### Analgesics

The latest instalment of your Refresher Course (pp. 622-24) is allotted to analgesic drugs. The earliest date recorded for the corresponding noun (analgesia) in the Shorter Oxford Dictionary is 1706: the same authority indicates a preference for "analgetic" to "analgesic," presumably because that word would correspond better to the Greek adjective *analgetos*. On looking into an old "Martindale," I see that twenty substances or groups of substances are listed as analgesics; a "Squire" of about the same date has sixty-seven. The latter list begins with abristol (asaprol), names for calcium beta-naphthol-alpha-monosulphonate, then recommended for sciatica, muscular rheumatism and chronic rheumatism. Whatever reputation this and several more of the sixty-seven may once have had has withered: synthetic chemicals of greater potency have since been devised and clinically studied. I venture to add a marginal note to your contributors' remarks on tobacco: I suggest that with neurotic patients the boundary between habit and addiction is easily crossed. Happily they form a minority of the population. The pharmacology of analgesics still presents (as is pointed out on p. 622) a difficult problem; in spite of much recent work on the nervous system, their mode of action remains unknown.

### Aspects of Chemistry

The news in your issue of May 3 includes three items (pp. 592 and 602) of chemical importance. Dr. Norman Evers's address on "Physico-Chemical Aspects of Drug Administration" evidently evoked a good discussion at a meeting of the Society of Chemical Industry (Fine Chemicals Group). In this field, as in many others, reactions present a challenge: some were discussed, and three doctors failed to reach agreement on "the iso-electric point of globin." The Royal Institute of Chemistry was given a description, by Dr. R. L. Kenyon, of the organization of the chemical profession in the United States. Though the American Chemical Society has more than 67,000 members, the speaker said that the scientific and technical manpower shortage was unsatisfactory; and that the number of graduates in the physical sciences had fallen and was still falling. It may be that this recession is only temporary: in a highly

organised society such fluctuations may not be serious. These reports have a connection with your illustrated account of the thirty-sixth exhibition of the Physical Society. Most of the apparatus there described is closely associated with chemistry. Titration for pH measurement, for instance, has become almost a luxurious process, and recordings of remarkable sensitivity are indicated. Again, balances calculated to reduce wear on knife edges were displayed, as also were quick-reading balances. The modern analytical chemist has manifest advantages over his predecessors of a generation or so ago and new ones are constantly appearing.

### N.P.U. Activities

Several matters needing the attention of chemists in business are mentioned in your report of recent meetings of the Executive of the National Pharmaceutical Union and the directors of the Chemists' Defence Association (pp. 604-05). Purchase tax and the National Health Service raise questions for discussion with the Government on the one hand and with various trading bodies on the other hand. My interest in reading the report was centred on the supply of "household fluids" in mineral-water bottles or beer bottles. The secretary pointed out that this had never been held by the National Pharmaceutical Union to be illegal. In the *C. & D.*, 1924.II.247, you gave references to three legal cases bearing on this matter. The first two confirm the view of the N.P.U. The earlier of these dates from 1901: the action was heard at Greenock. Paraffin oil and other liquids were supplied by an "oil-merchant" in bottles bearing the trade mark of a manufacturer of aerated waters, who took out a summons. The sheriff, in giving judgment for the defendant, said that while the person who obtains a bottle from such a manufacturer "no doubt commits a breach of contract with him" (though that, I think, may be arguable), there is no obligation on the part of a tradesman to examine a bottle presented for the purpose of being filled. That bottle is in the custody of the customer, and the shopkeeper does not acquire it. The third case cited by you was on a different footing. The product of one maker had been put into bottles branded for the corresponding product of another maker: there was a conviction, sustained by a higher court on appeal. **Xrayser**



## COMPANY NEWS

**EUCRYL, LTD.**—Group profit for 1951 after all charges was £8,457 (against £12,718 in 1950). Tax was £18,575 (£15,651).

**NATIONAL DRUG & CHEMICAL CO. OF CANADA, LTD.** — Net profit for the year ended December 31, 1951, is reported at \$569,433, equal after preferred dividends, to \$1.69 per share of ordinary stock.

**CUSSONS, SONS & Co., LTD.**—Final accounts for 1951 show that trading profit was £189,962 (against £292,962 in the previous year). A capital bonus of one 2s. stock unit for every four held is being made.

**ROLLS RAZOR, LTD.**—Group net trading profit for 1951, subject to audit, was £168,889 (against £143,143 in 1950). Dividend on deferred: 33½ per cent. (same total distribution as 1950, capital having been increased by bonus issue).

**THE BRITISH DRUG HOUSES, LTD.**—A dividend of 12½ per cent., less tax, is recommended on ordinary capital for 1951 (against 10 per cent. for 1950). Group profit, subject to audit, after all charges amounted to £252,622 (£182,653). Taxation was £385,459 (£254,497) and carry forward, £65,011 (£32,969).

**UNITED GLASS BOTTLE Co., LTD.** — Group trading profit for 1951 was £1,562,923 (against £998,440 in 1950) after providing £366,889 (£325,116) for depreciation. Net profit after tax was £928,911 (£548,070). The ordinary dividend of 17½ per cent. is maintained. The chairman's statement issued with the accounts mentions that raw materials for glass bottles are reasonably adequate with the exception of selenium which is used to produce colourless glass. From Customs' returns it has been calculated that glass in some form or another was associated with the export of goods to no less a value than £430 millions in 1951. Of that figure goods valued at £100 millions were exported in glass containers. He believed that the company had by a great deal the largest share in providing the containers for those exports.

### New Companies

**THEAKER (CHEMIST), LTD. (P.C.)**.—Capital £6,000. To acquire the business of a chemist carried on by Douglas B. Theaker, M.P.S., at 128 Battle Road, St.

Leonards-on-Sea, Sussex. Douglas B. Theaker and Edna Theaker, directors.

**J. B. TILLOTT, LTD. (P.C.)**. — Capital £6,000. To carry on the business of chemists, druggists, drysalters, etc. Derek E. Jones and John B. Tillott, directors. R.O. 94 Marsham Street, London, S.W.1.

### Voluntary Liquidations

**PETROLAGAR LABORATORIES, LTD.**, manufacturing chemists, Braydon Road, London, N 16. Liquidator: Victor Nash, 12 Chenies Street, London, W.C.1.

**MARNS & EDKINS, LTD.**, retail chemists, 2 Caxton Street, London, S.W.1. Liquidator: Mr. R. Richards, F.C.A., 16 Berkeley Street, London, W.1.

### BUSINESS CHANGES

**BRADLEY & BLISS, LTD.**, 6 London Street, Reading, and 107 West Hill, St Leonards-on-Sea, Sussex, have been elected to membership of the wholesale section, Proprietary Articles Trade Association.

### Appointments

**BARCLAY & SONS, LTD.**, London and Brighton, have appointed Mr. H. H. Wood their sundries representative in Lancashire Westmorland and Cumberland.

**WRIGHT, LAYMAN & UMNEY, LTD.**, 4 Southwark Street, London, S.E.1, have appointed Mr. W. Hunt buyer for the company in place of the late Mr. F. C. Bailey.

**J. C. ENO, LTD.**, King George Avenue, Watford, Herts, have appointed Mr. V. Hurst their representative in South Wales and Mr. J. D. Simpson their representative in Northumberland, Durham, parts of Westmorland and parts of Cumberland.

### Changes of Title

**E. MAGUIRE, LTD.** (for B. Murphy Ltd.), 213 Shirland Road, London, W (on April 9).

**TRUSTIN FOODS, LTD.** (for Trustin Ltd), 8 Guilford Street, London, W.C.1 (on April 7).

**ASMIDAR PLASTIC MOULDING MACHINES, LTD.** (for Ichthyophene, Ltd.), Rampayne Street, London, S.W.1 (on April 3).

**TOILET PREPARATIONS FEDERATION LTD.** (for Toilet Preparations and Perfumery Manufacturers' Federation of Great Britain, Ltd.), 69 Cannon Street, London, E.C.4 (on April 7).

## THE WEEK IN PARLIAMENT

ON the report stage of the National Health Service Bill on May 1, MR. H. CROOKSHANK (Minister of Health) moved an amendment to provide free drugs or medicines in the treatment of venereal disease; free appliances for anyone under sixteen years of age or undergoing full-time instruction at school; and replacement or repair of any appliance defective when supplied. The amendments were added to the Bill.

MR. F. MESSER, moving an amendment to add tuberculosis to the diseases for which free provision of drugs would be made said that as para-aminosalicylic acid deteriorated in solution quickly tuberculosis patients might need to have frequent prescriptions, on each of which they would have to pay a shilling. Stable preparations of PAS (cachets and granules) which the Minister had mentioned cost "three times as much as any solution." The amendment was defeated, and the Bill was read a third time.

### Antidotes on Labels?

MR. A. W. J. LEWIS asked the Home Secretary on May 1 if he would introduce legislation making it obligatory for manufacturers of Dangerous Drugs, poisons, etc., to have an antidote printed on the label.

SIR D. MAXWELL-FYFE: I am referring the matter to the Poisons Board for advice.

### Prescription Costs

In written replies on April 29, MR. H. CROOKSHANK (Minister of Health) gave the following figures for the average cost of prescriptions in various towns.

PERIOD	HUDDERSFIELD	BARN-LEY	DEWS-BURY	BATH	BOURNE-MOUTH
1948	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>
July 5 to Dec. 31	2 9½	2 6.8	2 5.2	3 5	3 4.5
1949	3 0½	2 8.2	2 7.8	3 8.6	3 9.7
1950	3 3	2 11.5	2 10.6	3 10.2	3 11.9

The figures for 1951 were not available.

### Agricultural Poisons Bill

In the House of Lords, LORD CARRINGTON (Joint Parliamentary Secretary, Ministry of Agriculture) moved the second reading of the Agriculture (Poisonous Substances) Bill. It would apply at first, he said, to dinitro-compounds (weed killers) and organo-phosphorous compounds (insecticides). The Bill was given a second reading.

## LEGAL REPORTS

**In Possession of Morphine.**—At Edinburgh sheriff court, recently, John Rendle, former commercial traveller, and Frank Forrest, unemployed seaman, were each sentenced to six months' imprisonment after being found guilty of being in unauthorised possession of 7,140 grains of morphine at the Caledonian Station, Edinburgh, on January 31.

**Export Manager Exposes Fraud.**—At Thames magistrates' court, on May 3, Michael Takis, an economics student, 13 Vicarage Gate, Kensington, who described himself as the son of the chairman of the British Commission in Cyprus, was sent to prison for twelve months after pleading guilty to ten charges of obtaining and attempting to obtain money by false pretences. A detective told the court that Takis's arrest was due to the alertness of Mr. Greenwood, export manager of Allen & Hanburys, Ltd., London. Takis had telephoned Mr. Greenwood and told him that he was the son of the firm's agent in Cyprus and that he had just arrived in England. As his bank had not yet received his credentials his credit was not good and he asked for a loan of £20. Mr. Greenwood told him to come to the firm the next day and immediately cabled Cyprus to see whether the agent there had a son in England. An answering cable revealed that Takis was lying, and Mr. Greenwood informed the police. The detective said that Takis had used a similar fraud in each case and had obtained over £130 from various firms. Six previous convictions—four of them in Cyprus—were reported.

## SPONSORED RESEARCH

THE report for 1950-51 of the Department of Scientific and Industrial Research was published recently (H.M. Stationery Office, price 7s. 6d.). Among other items recorded, reference is made to an arrangement by the chemical research laboratory, Teddington, Middlesex, with the University of Oxford, for work to be carried out on sulphate-reducing bacteria as part of an investigation into the possibility of producing sulphur microbiologically. During the year the laboratory developed a new method for the preparation of "carbon-labelled" benzene.

The pest infestation laboratory is investigating the use of piperonyl butoxide (see *C. & D.*, March 29, p. 460) as a synergist of pyrethrins.

## MARRIAGE

**Golden Wedding.** — LANGMAN—MERRITT.—At Rehoboth Baptist Church, Huddersfield, on April 23, 1902, Herbert B. Langman, M.P.S., to Mary E. Merritt. Present address: Ainthorpe, nr. Danby, Yorks. Mr. Langman went from Haddenham, Cambs, in 1901 (after qualifying in 1897), to open a shop for Middleton & Co., Ltd., at Saltburn-by-the-Sea, Yorks. He later took over the business (now Langman, Ltd.) and still takes an interest in it. It is carried on by his son (Mr. J. Langman, M.P.S.). Mr. Langman is a past-president of the Saltburn Rotary Club.

## DEATHS

ALLEN. — On April 8, Mr. John Rex Allen, M.P.S., 43 Worlds End Road, Handsworth Wood, Birmingham, 20. Mr. Allen qualified in 1901.

BAILEY.—On April 25, Mr. F. C. Bailey (chief buyer for many years of Wright, Layman & Umney, Ltd., and Dakin Bros., Ltd.). Mr. Bailey had served with the companies for over fifty-eight years.

BULMER. — On May 3, Mr. E. Allon Bulmer (formerly for over thirty years, managing director of Thos. Guest & Co., Ltd., Manchester), aged eighty-one. Mr. Bulmer had only recently retired.

ELLIOT. — On April 7, Mr. Thomas Elliot, M.P.S., 3 Templeland Road, Cors-torphine, Edinburgh, 12, aged sixty-nine. Mr. Elliot qualified in 1903.

HAYNES.—On March 4, after a long illness, Mr. Thomas George Haynes, M.P.S., Hillcroft, Grange Avenue, Ben Rhydding, Ilkley, Yorks, aged fifty-three.

LAWSON.—In the *C. & D.*, April 26, p 566, the death was erroneously reported of Mr. Arthur Lawson, M.P.S. Apologies are offered to Mr. Lawson, who is in good health.

MCNEIL.—On April 28, suddenly, Mr. Allister McNeil, chairman and managing director of James Taylor (Trongate), Ltd., Glasgow, since September 1931. Mr. Taylor joined the company in May 1930. He is survived by his widow, a son and a daughter.

NEAL.—On April 23, Mr. Joseph Lloyd Neal, M.P.S., Gwyfna, Mountain Road, Cadnant Park, Conway, Carnarvons, aged seventy-six.

SIMPSON.—On April 13, Mr. Herbert Simpson, M.P.S., c/o Burrells (Chemists),

Ltd., 12 King Street, Market Rasen, Lincs, aged eighty.

TODD. — On January 29, Mr. Gordon William Todd, M.P.S., 9 Woodfield Drive, Gidea Park, Essex. Mr. Todd qualified in 1920.

WALTON.—At the City General Hospital, Stoke-on-Trent, recently. Mr. Samuel Hincliffe Walton, Manton, Shooters Hill Longton, Staffs, aged seventy-three. Mr. Walton qualified as a chemist and druggist in 1903.

## WILLS

MR. S. T. MAWSON, M.P.S., 11 Station Road, Eaglescliffe, co. Durham, left £5,697 gross (£4,76 net).

MR. G. C. HARKER, M.P.S., 40 Cleveland Road, Barnard Castle, co. Durham, left £2,994 (£2,86 net).

MR. J. M. CAMERON, M.P.S., Bruntsfield, Courauld Road, Braintree, Essex, left £3,512 (£3,43 net).

COLONEL B. T. LLOYD, M.P.S., 20 Great Dar-gate Street, Aberystwyth, Cardigans, left £9,22 (£6,553 net).

MR. E. C. LONGMATE, M.P.S., The Links Building, Hunstanton, Norfolk, left £24,959 (£24,0 net).

MR. E. A. BAILEY, M.P.S., Paxton House, Tawney Street, Boston, Lincs, left £29,869 (£29,6 net).

MISS FRANCES A. OST, PH.C., 30 Cathedral Street, St. Albans, Herts, left £15,634 (£14,4 net).

MR. F. J. FLOWERDEW, B.Sc., F.R.I.C., M.P.S., 3 Litchfield Drive, Derby, and 20 Shardlow Road, Alvaston, Derby, left £9,987 (£1,988 net).

MR. A. MCBRIDE, M.P.S., Tarnwood, Ducks F Road, Northwood, Middlesex, late of Finsbury Pavement, London, E.C.2, left £9,483 (£9, net).

MR. H. P. COOK, 103 Sheldon Road, London, N.18 (former confidential and managing clerk C. F. Gerhardt, Ltd., 5 Fenchurch Street, London, E.C.3), left £7,144 (£6,815 net).

MR. H. E. RILEY, 13 College Road, Handsworth, Birmingham (managing director of G. W. Riley Ltd., chemists, Handsworth), left £1,730 (£1, net).

MR. A. NICHOLSON, Forest Hill, Park Cresce Roundhay, Leeds (formerly managing director John Nicholson & Sons, Ltd., Leeds), left £45, (£43,456 net).

MR. ALEXANDER T. CUSSONS, Whitefriars, Bridge Lane, Hale, Ches (chairman and managing director Cussons, Sons & Co., Ltd., Kersal Vale, Manchester), left £11,693 (£8,644 net).

SIR RALPH E. HARWOOD, K.C.B., K.C.V., C.B.E., Seckford Hall, Woodbridge, Suffolk (formerly a director of Yardley & Co., Ltd.), left £40,531 (£38,641 net).



## PERSONALITIES

LORD LUKE (chairman of Bovril, Ltd., and Virol, Ltd.) has been elected president of the London Chamber of Commerce.

DR. P. J. GIBBONS has been reappointed by the British Medical Association a member of the Standing Pharmaceutical Advertising Committee.

MR. ALFRED CHAPMAN (chairman, Ayrton, Saunders & Co., Ltd.) has been elected vice-president of the Liverpool Trade Protection Society.

SIR ARCHIBALD FORBES has been re-elected president of the Federation of British Industries for a second term. Sir Archibald is vice-chairman of Duncan, Flockhart & Co., Ltd., Edinburgh.

MR. A. B. PILCHER (sales director, Solport Bros., Ltd., London) is visiting representatives of the company in Belgium, Holland, Denmark, Sweden, Finland and Norway from May 8 to June 24.

THE following have been elected fellows of the Institute of Directors:—Messrs. J. M. Brazin, A. C. J. Burningham, Norman Dawson, R. G. W. Gallant and A. Robertson (Durham Chemicals, Ltd.); A. T. Chapman-Purchas (Brown & Forth, Ltd.); R. W. Lymer (North British Chemical Co., Ltd.); D. M. Maw (S. Maw, Son & Sons, Ltd.); S. J. Mott, M.P.S. Browns Chemists (Stoke-on-Trent, Ltd.); R. Craig Wood (Thomas Hedley & Co., Ltd.); and G. W. Woolley (James Woolley, Sons & Co., Ltd.).

PROFESSOR M. H. GUILLOT (one of the French visitors to Britain in a lecture tour under the auspices of the Franco-British Pharmaceutical Commission) is a Doctor of Physical Science, and has been awarded the *Ancien interne Médaille d'Or* of Paris Hospitals. Dr. Guillot is titular professor of physics, Faculty of Pharmacy, Paris, pharmacist of the Paris Hospitals, member of the permanent commission of the French Codex, and of the Academy of Pharmacy, secretary-general of the Society of Paris Hospitals Pharmacists, and treasurer of the Society of Pharmaceutical Technique. The other lecturer Mr. R. L. J. MORICE is a laureate of the Faculty of Pharmacy, Paris, and has the following decorations: *Chevalier de la Légion d'Honneur (au titre Santé Publique)*, *Chevalier de l'Ordre de la Santé Publique*, and *Chevalier de l'Ordre "Honneur et Mérite" de la République d'Haiti*. He is assistant director of the *Société Parisienne d'Expansion Chimique*, which he

has served for twenty years. He has held many commercial and technical posts for the Society in France and overseas and is in charge of its technical and commercial relations with overseas countries. He is also a member of the *Syndicat National Autonome des Cadres Pharmaciens* (reconstituted in 1945 after the liberation of France), and president of the section of hospital and co-operative pharmacists, biochemical analysts and pharmaceutical assistants of the *Ordre des Pharmaciens* since December 1945.

## COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

### Monday, May 12

BIRMINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Chamber of Commerce, New Street, Birmingham, at 7.45 p.m. Annual meeting.

SOUTH SHIELDS PHARMACISTS' ASSOCIATION, Dorset Café, Ocean Road, South Shields, at 7.30 p.m. Annual meeting. At 8 p.m., Mr. F. H. Oliver on "New Antibiotics."

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, Beckenham Library, Beckenham, Kent, at 8 p.m. Presentation to Mr. T. Heseltine in memory of the late Mr. Wallace Pring, followed by annual meeting.

### Tuesday, May 13

BIRMINGHAM BRANCH, NATIONAL PHARMACEUTICAL UNION, and BIRMINGHAM PHARMACEUTICAL ASSOCIATION, Chamber of Commerce, New Street, Birmingham, at 7.45 p.m. N.P.U. annual meeting. At 8.30 p.m., Association annual meeting.

HOUNSLOW BRANCH, PHARMACEUTICAL SOCIETY, Sun Hotel, Hanworth Road, Hounslow, Middlesex, at 8 p.m. Annual meeting.

### Wednesday, May 14

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, Visit to Blenheim Palace. Coaches leave the White Horse Hotel, Congreve Street, Birmingham, at 1.30 p.m.

THAMES VALLEY PHARMACISTS' ASSOCIATION, Visit to Vitamins, Ltd. Coaches leave Richmond station and New Malden (the "Fountain") at 2 p.m., Kingston (Wood Street) station at 2.15 p.m., and Surbiton station at 2.20 p.m.

### Thursday, May 15

THAMES VALLEY PHARMACISTS' ASSOCIATION, Kingston Hotel, Kingston-on-Thames, at 7.45 p.m. Address by Mr. H. G. Moss (a member of the productivity team on retail distribution).

LIVERPOOL CHEMISTS' ASSOCIATION AND BRANCH, Adelphi Hotel, Liverpool, at 7.30 p.m. Association annual meeting. At 8.15 p.m., Branch annual meeting.

### Friday, May 16

EXETER BRANCH, PHARMACEUTICAL SOCIETY, Providence Methodist Church Hall, Northernhay Street, Exeter, at 7.30 p.m. Annual meeting.

SHEFFIELD BRANCH, PHARMACEUTICAL SOCIETY, Nether Chapel Schoolroom, Norfolk Street, Sheffield. Annual meeting, followed by cold supper (3s. 6d.).

## TRADE NOTES

**Again Available.** — Roche Products, Ltd., Welwyn Garden City, Herts, state that that Ro-A-Vit synthetic vitamin-A tablets are again available.

**Tablet Cartons.** — A special offer of plain assorted tablet dispensing cartons is made on another page by Alf Harrison & Sons, Ltd., Burley Road, Leeds, 4.

**Price List.**—A trade price list of medical specialities has been issued by Boots Pure Drug Co., Ltd., wholesale and export department, Station Street, Nottingham.

**Addition to Series.**—Allen & Hanburys, Ltd., Bethnal Green, London, E.1, announce that penicillin oral tablets, A. & H., each containing 200,000 units of penicillin, B.P., have been added to their range of penicillin preparations.

**Infra-red Treatment at Home.**—Hanovia, Ltd., Slough, have added to their range a new model for infra-red ray treatment at home: the Sollux H7. The long-waved emitter of the lamp has a loading of 500 watts, giving ample power for any effect required, and the 13½ in. reflector has a polished anodised surface. A table-top type weighs 16½ lb. and a stand type is telescopic to a height of 5 ft.

**Film Strip on Eye Care.**—A twenty-two-frame colour filmstrip entitled "Your Eyes," sponsored by Optrex, Ltd., in collaboration with the National Committee for Visual Aids in Education demonstrates the construction of the human eye, shows how it works, describes common defects of vision and their causes, and ends by showing methods of bathing the eyes. Designed for use in schools, the film is accompanied by notes for a commentary. Copies of the film may be obtained, price 21s. from Educational Foundation Film Library, Brooklands House, Weybridge, Surrey.

**Popular-priced Precision Camera.**—For snapshotters who want to get away from the ordinary box-type of camera without sacrificing simplicity, and a picture size to avoid the need for enlarged prints, R. F. Hunter, Ltd., 51 Gray's Inn Road, London, W.C.1, offer a German camera, the Gugo. Fitted with synchronised shutter, the Gugo allows the user to take indoor photographs. The Gugo I has a shutter manufactured by Gauthier and the lens is coated. The Gugo II is fitted with an f/4.5 Kesor coated anastigmat lens and the Gauthier Vario shutter. Each takes 120 roll film.

**Electrically Heated Rayon Sheets.**—Manufacture of electrically heated rayon sheets is being undertaken by a recently formed company, Somnolux Electrical Products, Ltd., Heyes Lane, Alderley Edge Ches, under Mr. G. T. Jones. Mr. Jones an expert in the production of electrically heated domestic and medical products, was a member of a subcommittee appointed by a recent conference of electric blanket manufacturers. He was also a member of a subcommittee appointed in 1950 by the British Standards Institution to prepare standards for electrically heated pads and blankets.

**Bonus Offers.** — CUXSON, GERRARD & CO., LTD., Oldbury, Birmingham, announce that, for the months of May, June and July, they are offering to retailers, in return for an undertaking to display the company's range of plaster specialities, an additional 5 per cent. discount on plaster orders over £5 in value, subject to certain stipulations as to the make-up of the parcel.—DAE HEALTH LABORATORIES, LTD., Kenilworth Road, Fleet, Hants, offer special summer bonus of Veet depilator in return for a 14 days' counter display. The offer is of 13 to the doz. medium size tubes (minimum order 3 doz.) or 14 to the doz. large size (minimum order 6 doz. With every order is sent a "sell-out" container. The offer closes on June 2.—DUNING MAY and JUNE DALMAS, LTD., Juno Street, Leicester, are offering special 6 and £10 parcels of Dalmas and Dalmas Lastic first-aid dressings. Details have been sent direct to chemists. — ALFRED FRANKS & BARTLETT CO., LTD., Audley House, Ely Place, London, E.C.1, are offering 13 to the doz. Brontan sun-tan cream on orders of three doz. and over.—MCGESON & CO., LTD., Llewellyn Street, London, S.E.16, are charging direct carriage paid parcels of 4 doz. (previously 6 doz. 1s. 9d. size Meggeson dyspepsia tablets 11s. doz. (normal trade price 12s. doz. plus tax.—FRANK SAMMEROFF, LTD., Castlebank Street, Glasgow, W.1, during May, delivering 1 doz. Frank dressings free with each ordered gross either size.—SOUTHON LABORATORIES, LTD., 84 Upper Richmond Road, London, S.W.15, announce that, from May 1, direct orders from chemists for Eso products to the value of £5 will qualify for a special discount of 5 per cent. orders to the value of £10 for a 10 per cent. discount.



## NEW PRODUCTS AND PACKS

**Expanding Stopper.**—The British Vacuum Flask Co., Ltd., Lissenden Works, Gordon House Road, London, N.W.5, illustrate on another page their expanding stopper for pint-size vacuum flasks.

**Double Pack.**—St. Andrew Mills, Ltd., 34 St. Andrew Road, London, E.17, are making their Andrex toilet tissue available in a package containing two rolls. The two-roll package is a penny less in price than two rolls bought separately, but yields the same profit to retailers.



**Non-poisonous Rodenticide.**—On another page Tobal Products, Ltd., Perivale, Greenford, Middlesex, draw attention to their speciality Ratero, a non-poisonous killer of rats and mice. Ratero is

available in packages containing 4 oz. and 16 oz.

**Paint Transfers.**—“A brilliant and lasting marking method” for “hall-marking” branded products is the Trapinex paint transfer offered by Trapinex, Ltd., 166 Commerce House, High Road, London, N.22.

**Chlorophyll Tooth-paste.**—On another page Thomas Kerfoot & Co., Ltd., Vale of Bardsley, Lancashire, give full descriptive details of their new tooth-paste Kerofil, the characteristic ingredient of which is chlorophyll.

**Cough Linctus and Syrup.**—Biorex Laboratories, Ltd., 51 Exmouth Street, Rosebery Avenue, London, E.C.1, have put on the market Kendale's cherry linctus and Kendale adult cough syrup. A tax-free dispensing pack (80 fl. oz.) is also available.

**Addition to Range.**—Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex, have added to their range of medical products pentobarbitone sodium in 1½-grain colourless hard-gelatin capsules for oral administration, in containers of twenty-five, 100 and 500. It may be administered as a basal narcotic before operation, its hypnotic effect on the patient minimising the amount of general anaesthetic required. It is also of value as a sedative in general medicine and for mini-

misg pain and producing amnesia in obstetrics.

**Medicinal Specialities.**—Medo-Chemicals, Ltd., 178 Pentonville Road, London, N.1, have introduced S.P.P. (syrup, pro penicillin), a sterilised buffered syrup for oral administration of penicillin (2-oz. bottle); Salimed tablets, containing salicylamide 0.5 gm. (containers of 100, 250 and 500); and Dexobarb tablets containing amylobarbitone, B.P.C., gr. ½, and dexamphetamine sulphate, gr. 1/25 (containers of twenty-five and 250).

**High-strength Hormone Creams.**—Ciba Laboratories, Ltd., Horsham, Sussex, announce the addition to their range of sex-hormone preparations of two high-strength hormone creams, Ovocylin and Perandren creams. Ovocylin cream contains 0.5 mgm. œstradiol in each gm. and is for use in acne vulgaris, pruritus vulvæ, senile vaginitis, kraurosis vulvæ, and underdeveloped breasts. Perandren cream contains 10 mgm. testosterone in each gm. and is for use in frigidity and mastopathia (fibro-adenosis). Each is in a 5-gm. tube.

**Nylon Turban.**—Released to the trade on April 28, the Fiesta Nylon turban is available in twelve attractive colours, each in a transparent envelope. Designed “for everyday wear,” the Fiesta is tax-free. The makers are Raywarp Textiles, Ltd., Alfred Street North, Nottingham.

**Display and Sampling Unit.**—To launch a new product, Dent-Odol, Cranbux, Ltd., Prince of Wales Road, Norwich, have produced a counter display unit, ready filled and for immediate display, with twenty-two free-trial samples in every 1-doz. outer (each sample in an aluminium screw-cap tube).





## COUNCIL CANDIDATES

### Biographical details and policy statements

Concluded from THE CHEMIST AND DRUGGIST, May 3, p. 609.

#### ISLIP, Mary Cater

**QUALIFIED** 1929. Member of Council since January 1945, the only hospital pharmacist on the Council. Chief Pharmacist, Paddington Green Children's Hospital, London. President, Guild of Public Pharmacists. Past-president and former employment secretary, National Association of Women Pharmacists. Past-chairman and present member of committee of the Harrow and District Branch of the Pharmaceutical Society.

**POLICY:**—It is my endeavour to see that:—(1) Both pre- and post-graduate education is such that the pharmacist can keep abreast and help in the progress of medical and scientific developments. Thus there must be adequate, well equipped, properly staffed schools of pharmacy, refresher and post-graduate courses, up-to-date information on modern developments, pharmaceutical research, opportunity for post-graduate qualifications. (2) There is no slackening of the Society's efforts to obtain a satisfactory pharmaceutical service in the Army, Navy and Air Force. (3) There are satisfactory standards of accommodation, equipment and service in all places where pharmacy is practised. (4) Close contact is maintained between headquarters, the Branches and other organisations in pharmacy. (5) The pharmacist takes his proper place in the Health Scheme so that the public receive a very fine pharmaceutical service.

#### LONG, Harry

BORN in Yorkshire. Later schooldays and early pharmacy training in Newport, Mon. R.A.M.C. in the 1914-18 war. "Foundation" student, Welsh College of Pharmacy, Cardiff. Qualified January 1921. Had experience in retail and representative work (visiting retail, manufacturing, wholesale, and hospital pharmacists). Now managing a small group of co-operatively owned retail pharmacies. Appointed to the national executive of Ex-Service Pharmacists' League on its formation. Bristol Branch delegate to British Pharmaceutical Conference and representative at Representatives' meetings on various occasions since 1935. A member of Pharmaceutical and other National Health Service committees. *Outside interests:* Ex-service welfare, social studies.

**POLICY:**—Unity. It avails little to

urge pharmacists to take more interest in other sections of their calling, unless we provide channels through which they can do so. The present system of virtually watertight compartments has grown up through the natural desire of occupational groups for that economic protection which the parent Society is unable to provide. Given the means of joint consultation and if necessary, joint action, I believe that pharmacists are professionally mature enough to accept, and act on, the principle that the problems of one group are the concern of all. *Assistants' Register.* My general views on this have been given publicly recently, but it seems desirable to emphasise my personal stand. There is sound case for a scheme of registering assistants of proved competence, and I would certainly join in investigating the possibilities on the lines I have indicated. But I could not support, and would indeed actively oppose, any attempt to use that channel of investigation as a means of securing some kind of "subsidiary" to the Statutory Register, or any "modified" form of entry thereon. It should be made very clear that the purpose of such a register is solely to define standards of competence to assist the pharmacist, not to displace him at any point. *Elective Reforms.* I am convinced that the system of election of Councillors on a regional basis, which I have consistently advocated over many years, is a rational development which must come sooner or later. This election presents an opportunity for all who agree with this view to bring the reform one step nearer.

#### MAPLETHORPE, Cyril Wheatley

**MANAGING** director of Allen & Hanbur Ltd. Passed the Ph.C. examination in 1922 is a Fellow of the Royal Institute of Chemistry and an Association Member of the Institution of Chemical Engineers. Before joining the Council in 1943 he was an examiner of the Society in pharmaceutical chemistry. He is a member of the Poisons Board, chairman of the Education, Codex Revision, and British Veterinary Codex Committees of the Society and of the editorial committees of "Journal of Pharmacy and Pharmaceutical Chemistry."

**POLICY:**—In the statement I wrote for publication at the time of the Council

election in 1946 I pointed out that the standard of pharmaceutical education in this country must be raised. In 1949 I was able to say that the Council had agreed to the institution of a two years' post-intermediate course of study for the diploma of Pharmaceutical Chemist or Chemist and Druggist. We have now settled down to the idea of a two years' post-Intermediate course as being essential. Several universities have decided on a three years' post-intermediate course leading to an honours degree in pharmacy. This shows that pharmacy is achieving its rightful position in the educational world. The Society should develop its relationship with the universities whilst retaining the registration of pharmacists in its own hands. My chief interest on the Society's Council is education. My other interests are publications, and scientific publications in particular, which subjects occupy much of my time. As a member of the Finance Committee I am naturally concerned with the finances of the Society; like all other bodies the Society is faced with increasing costs, and whilst members expect additional services they must always remember that these services today are very costly to provide. I regret that at this time I am absent from England on a business trip to Australia and New Zealand. I hope to renew many interesting pharmaceutical contacts in those Dominions, and to help strengthen the ties which bind pharmacists practising there with those at home.

#### SEID, THOMAS

QUALIFIED in 1930 and is a proprietor pharmacist. He joined the Council in 1945. He has been a member of the benevolent Fund, War Aid, Law, Education, Parliamentary Fund and Birdsgrove House Committees of the Council and has been chairman of the Organisation Committee since 1949. A past-chairman and former secretary of the Oxfordshire Branch of the Society, a former member of the Oxford City and Birmingham Pharmaceutical Committees and of the committee of Birmingham Pharmaceutical Association. Is a member of the committees of the Bedfordshire Branch of the Society and of the Luton Branch of the National Pharmaceutical Union, and serves on the subcommittee on tablets of the British Pharmacopœia Commission.

**POLICY:**—I have taken a full and active interest in all the work and deliberations of the Council in the post-war period and

especially the several committees upon which I serve. In particular, I have been closely in touch with Branch activities as chairman of the Organisation Committee. I have had the privilege of visiting many branches of the Society and fully realise that every encouragement must be given to them, both financially and by the provision of speakers upon a wide range of pharmaceutical and allied subjects, to maintain and increase interest and activity at local levels. I support the present educational policy and will continue to press for a realistic approach to pharmaceutical education since the aim must be to produce an adequate number, not an excess, of "general practitioners" in pharmacy. Specialisation in the several fields must follow the basic qualification. I am opposed to any recognition or registration of non-pharmacists since I have yet to be convinced that the interests of registered pharmacists can be sufficiently safeguarded. In conclusion, I pledge myself that, if re-elected, I will continue to work at all times for the betterment of pharmacy as a whole and never for sectional interests alone.

#### ROBINSON, Eric

EDUCATED at Hanson junior and secondary schools. Served apprenticeship with the late Mr. J. H. Stancliffe, Idle, Bradford. Attended Bradford Technical College, and qualified in 1930. After qualification resumed employment as manager of branch establishment of apprentice-master. After three years became manager and, in 1942, managing director of F. Mitchell (Chemist), Ltd. Became Methodist local preacher in 1935. Member of the Committee of the Bradford branch of the Pharmaceutical Society since 1931, its chairman, 1936 and secretary since 1940. Attended annual Pharmaceutical Conferences almost continuously since 1935. A member, Bradford Pharmaceutical Committee, and chairman of the local National Pharmaceutical Union branch. Stood as Liberal Parliamentary candidate for Shipley in 1945.

**POLICY:**—Pharmacy needs vigorous action in its affairs, or a steady deterioration develops. Lack of activated policy is leading pharmacists to become apathetic and reluctant to interest themselves in voting or attendance at meetings. I am determined, if elected, to press for greater initiative in pharmacy and for the keenest support of national pharmaceutical matters by the Council. To make an immediate effort to stimulate greater en-



deavour by the publications department to improve its selling and distributive activities, with a very special effort to resuscitate a new atmosphere in the uninspiring presentation of the "Pharmaceutical Journal," to meet the practical demands of pharmacy and to animate the craft into a more professional unity. I feel the Branch system is good and should be encouraged to give support to the wider regional system at present in process of arrangement. The resolutions of Branch Representatives' meetings should be given more adequate and speedy consideration without the usual desire to justify the lack of progress by interim reports, etc. The educational policy should be to maintain the highest standards of training and to encourage at student level an increased pride in the pharmaceutical profession. I have had twenty-five years' experience in retail pharmacy and I should do all in my power to assist the Council in a progressive policy and to act more vigorously and courageously to safeguard the interests of pharmacy.

#### SHAW, Granville

PASSED the Ph.C. examination in 1907. Managing director of Granville Shaw, Ltd., dispensing chemists, Long Eaton, Notts. Member of Council, and chairman of the Establishment Committee. Has served on the Benevolent, Finance, Public Services, and Law Committees. Member of the Parliamentary Fund Committee, New Building Committee, and Joint Committee on a National Pharmaceutical Service. Chairman of the Nottingham and District Branch of the Society, and of the Local Executive of the British Pharmaceutical Conference in Nottingham, 1952. Member of the Pharmacy Advisory Committee of Nottingham University.

POLICY:—During the six years I have been a member of the Council of the Pharmaceutical Society, I have taken a share in directing the actions and shaping the policy of the Society, and am in general agreement therewith. If re-elected for a further term, it will be my constant aim to work for the betterment of the profession.

#### STOKES, William Ewart

APPRENTICED in Derby, and served throughout the 1914-18 war in the R.A.M.C. and the Royal Fusiliers. Awarded the Military Cross. Qualified in 1920, and after experience in the West End of London, the Midlands and Lanca-

shire, has since 1934 been a senior executive of Timothy Whites & Taylors Ltd. On the advent of the National Health Service he was appointed chief pharmacist, and deals with N.H.S. matters within the company. He is a member of the Statutory Committee of the Society, a member of the Central N.H.S. (Chemist Contractors) Committee, Pharmaceutical Functional (Whitley) Council, Joint Pricing Committee for England, and the London and Surrey Pharmaceutical Committees.

POLICY:—I would pledge myself to strive always for improvement of conditions under which retail pharmacy is practised, since I believe these eventually govern those in all other sections of the craft. *Education.* The Society's educational policy must be comparable with that in other professions, keeping abreast of advances in medical knowledge and treatment, and enabling the pharmacist to cope with the complexity of formulas, etc., involved in modern prescribing. *Apprenticeship.* I think that the Society should provide up-to-date guidance for the apprentice master during this period. I favour strongly the period of two years' practical training being taken before the final college course, especially by those entrants who intend to remain in retail pharmacy. *N.H.S.* The N.H.S. dispensing remuneration now plays a decisive part in the economy of the pharmacy. The shilling levy should be accepted only as a temporary measure, until the emergency is over. Higher dispensing fees, and container allowances, are now justifiable, and must be fought for. *Refresher Courses.* A difficult problem with little previous experience to build on. The Council should not hesitate to experiment boldly, both through existing educational facilities, and by correspondence. *Regional Organisation.* This might do much to stimulate interest, and to create better informed opinion. *Council elections.* I suggest that voting papers are issued and returned with the annual registration papers when every member has to communicate with Bloomsbury Square.

#### TRISTRAM, William John

QUALIFIED in 1919. Member of Council since 1943. At present vice-president of the Society. I am engaged in retail practice and own three pharmacies in Liverpool. Member of the Executive of the National Pharmaceutical Union (chairman 1944-45). Member of the Central N.H.S. (Chemist Contractors) Committee. Mem-



er of the council of the Chemists Federation (president in 1946). Member of the Central Health Services Council. Chairman of the Standing Advisory Committee for Pharmacy. Member of the staff side of the Pharmaceutical Functional (Whiteley) Council. Member of the Council of the Liverpool Chemists' Association (president 1943-46). Member of the Liverpool Executive Council, the Liverpool Pharmaceutical Committee, and South Liverpool Hospital Management Committee. Alderman and Justice of the Peace for the City of Liverpool.

**POLICY:**—The nine years in which I have been privileged to serve as a member of Council have seen great changes in the practice of pharmacy, necessitating decisions by the Council of great importance to pharmacists. During this period I have endeavoured to be a useful member of the Council and have taken my full share in the work of the Council and its committees. In general, I have supported the Council's policy because I believe it to be a progressive one, designed to raise the profession of pharmacy to higher levels, to eradicate unethical practices, and to safeguard the interests of the profession. With the advent of the National Health Service the professional work and responsibility of the pharmacist has greatly increased. The pharmacist has responded magnificently to all the demands which have been made upon him and is justified in taking pride in his achievement. I shall continue in my efforts to maintain this high standard, and will resist any factors which might impair our capacity to provide an efficient pharmaceutical service. I have been actively associated with the hospital pharmacists in their struggle for improved status and remuneration, and their efforts will have my continued support. In offering myself for re-election to the Council I place myself unreservedly at the service of all members of the Society, and will endeavour if re-elected, to promote the interests of pharmacy as a whole, and not for any sectional interest.

#### **WILLIAMS, Basil Allen**

QUALIFIED 1933. Retail and hospital experience. Served five years in H.M. Forces, demobilised 1947 with rank of temporary Captain. Recently purchased own business at Brentford, Middlesex. A past-chairman, Association of Pharmaceutical Employees. Member of Council of the Society, 1940-42. Now secretary, pharmacy section, Socialist Medical Association, and chair-

man of the West Middlesex Chemists' Association.

**POLICY:** I was the first trade union representative to be elected to the Council. I now stand as chairman of the pharmacy section of the Socialist Medical Association, an organisation which has done so much to educate the public in the need for a complete health service. (1) I want to see the revival of the Joint Committee on a Pharmaceutical Service representing employees and proprietors to negotiate with the Minister of Health. (2) I am absolutely opposed to the shilling prescription charge, as this will cause hardship to the poorest section of the community. (3) Managers must have the right of contracting with Executive Councils. (4) I have always encouraged employee organisation, and I would like to see their representatives at the Council table. (5) The Council, under the present system of election, represents primarily a privileged conservative minority of the profession. The Council must be brought into closer contact with the rank and file by vesting authority in the Branch Representatives' meeting, which would decide on general policy. (6) Government nominees should be present in an advisory capacity only. (7) Full Press reports should be published of debates and voting "in committee" so that we can recognise who represents pharmacy and who represents the dividends taken out of pharmacy. (8) I would support legislation to control the activities of the proprietary medicine monopolies which exploit a credulous public and lower the dignity of our profession. (9) The powers of a small number of businessmen who control so many of the multiple pharmacies are a danger.

### **FIFTY YEARS AGO**

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*From the C. & D., May 10, 1902*

SEE the merry gentlemen all hopping round the chairs,

Each of them expectant of a seat,  
Smiling bland and broadly, unheeding all their cares,

None of them desirous of defeat;  
Eager to be Councillors and keen to serve the craft;

Only seven vacancies to fill,  
Praying for a gentle breeze their little ship to waft,

Safe into the haven calm and still.  
Ten merry gentlemen gaily hopping round,  
Pleasant merry gentlemen they are;  
Dancing deft and lightly to the sweet harmonious sound

Of the musical melodious Registrar.



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DL. CLVII MAY 10, 1952 No. 3768

## The Levy Becomes "Workable"

BEFORE these columns come to be read, it is too late for us to know the outcome of the referendum, secretaries of Pharmaceutical Committees will have said "Yes" or "No" to the calling of another conference on the levy and the question whether to shoulder the collection of it. If held, the conference could resist acceptance only at the cost—let us face it—of rejecting and flouting its elected spokesmen. That is made clear in a memorandum (U.L. 758) sent out from Queen's Square on May 1, in which appears the statement "If the conference . . . decides in favour of rejection, it would then be for individual contractors [our italics] to decide whether or not they would continue as contractors."

To put the matter so bluntly the contractors' committee must feel strongly that it has done well by its constituents. At the conference on February 14 the committee was charged to secure "modifications to meet the special circumstances of rural areas, and to provide safeguards against abuse of the scheme and minimise the potentialities of friction between chemist, doctor, and the patient" and such . . . as it deems necessary."

In fulfilment of that undertaking the committee can report real and in total substantial achievement. It has secured that the contractor may demand payment of the levy before dispensing the prescription and is under no contractual obligation to dispense it until the shilling is paid. Next it has secured the inclusion of the

words "The charge is payable to the actual suppliers but is credited to the cost of the National Health Service" in the notices in which the Ministry will announce to the public the imposition of the levy. Thirdly it has negotiated the deduction of one-farthing per form from the shilling that would otherwise have been treated as payment on account. In other words, it has convinced the Ministry that some allowance must be made for failure to collect the levy, for medicine left on the contractor's hands, and for the waiving by the chemist, for reasons of professional conscience, of his insistence on receiving the levy before dispensing, medicine for a patient unable to pay. Those contingencies have been assessed at one case of non-collection in forty-eight forms dispensed. The committee has resisted any move to alter the present "non-inducement" clause in the terms of contract in the direction of permitting co-operative societies to pay dividend on levy payments. And in rural areas it has secured modifications that have won from the rural area pharmacists' committee its agreement that the levy scheme, as modified, is workable. They have not, it is true, secured any effective safeguards against wastage through overprescribing, but the Ministry has agreed to try and influence prescribers against abuses of that kind.

In accepting the scheme as modified contractors will be shouldering certain extra clerical work involved (a) where poor patients intend to claim reimbursement later from the authorities for the shilling they pay the chemist, and (b) in giving additional information when claiming payment on account. Those seem trifling disadvantages on which to base any action hostile to operating the levy collection, and in any case the committee gives an undertaking that a supplementary claim for increased remuneration will be put forward when it is seen how conditions work out. That claim will be distinct from the one lodged on April 1 for an increase (and for a higher container allowance) the outcome of which has yet to become known.

All told, the committee is probably with reason "satisfied that it has pressed the Ministry to the limit," and if there are any



contractors who would exert still further pressure our guess is that they will be doing it as "individual contractors," with all the futility of action in isolation.

## Standard Names for Pest Control Chemicals

BRITISH Standard 1831, Part I, 1952 (price 2s. 6d.) introduces a new way of dealing with the nomenclature problem in relation to chemicals contained in pest control products. Its list of "Recommended Common Names for Pest Control Products" is the first of a series of coined (non-proprietary) names providing direct correlation with the chemical names and formulas of compounds in use as insecticides, fungicides and herbicides. The need for simplification is evident from the fact that bis-dimethylaminophosphonous anhydride of the Poisons List is printed as standard in five ways. These differ in non-essential detail from the statutory designation as well as from one another. Another six systemic chemical names (such as octamethylpyrophosphoramidate) have no apparent connection with that assigned in accordance with Chemical Society principles. The Gordian knot of confused nomenclature is cut by assigning "schradan" as name No. 112 to this "systemic" insecticide (after its discoverer, Dr. Gerhard Schrader).

The recommended common names refer to the pure active substances and, with a few outstanding exceptions (such as DDT and 2, 4-D), the use of initials and numbers is avoided.

The object of the list is to reduce the confusion in technical literature and commercial descriptions relating to pest control products. Part I consists of twenty-three names for chemicals already in widespread use. It has been published immediately upon completion in view of the urgent need for the simple and direct identification of each chemical substance. It is obvious that "approved" names are necessary in agriculture as well as in medicine. The inclusion of "dinosam" (for DNOCHP or 2,4-dinitro-6-cyclohexylphenol) and "dinex" (for DNAP and DNSAP or 2:4-dinitro-6-sec-amyphenol) illustrate the difficulty of both poisons law

and nomenclature in keeping up-to-date with developments in insecticidal chemicals. These two "unlisted" poisons are (as "dinitro-substituted phenols") included in the projected Agriculture (Poisonous Substances) Act. The exclusion of proprietary names has its disadvantage. For example, "schradan" is almost unknown in this country by comparison with the proprietary Pestox. Presumably it will be necessary for the Ministry of Agriculture to "approve" (and list) brands under "B.S." recommended common names.

## An Improved Service

AN improved method of introducing certain preparations is adopted this week in our Guide to New Medicaments (p. 66). When the medicament is a single active principle it is being included, where feasible, under the name of that principle. The brand name and other details are given lower down. Should new brands of the same drug appear later, the details specific to the brand (manufacturer, how supplied, etc.) will be given in a Guide paragraph with cross reference to the original paragraph. In addition to emphasising similarities between proprietary preparations the new system will enable subscribers have rapid access to complete information by inserting a cross reference on "parent" card to each new card. Prints for cutting up, pasting on cards and filing, are sent free to subscribers request.

## 24-hour Dispensing

THE experience of chemists in New Zealand in jointly providing all-night pharmacies (see opposite page) may be of value to British pharmacists now that they are beginning to be faced—through for different reasons—with demands for similar services here. In essence, the set-up is much in common with that of the jointly owned pharmacy of Sheffield Chemists (*C. & D.*, April 12, p. 511), and an essential requirement of the organisation is that all shareholders shall be pharmacists. The financial success that has been enjoyed by at least the Christchurch "night" should encourage further experiments on similar lines in Britain. Co-operative ownership seems to bring in its wake other possibilities of development.

# NEW ZEALAND "ALL-NIGHT" PHARMACIES

By a Special Correspondent

By law in New Zealand it is deemed necessary in the public interest that "any open shop or place for the compounding or dispensing of prescriptions" shall be open "twenty-four hours a day, seven days a week. Yet the trade unions under the Arbitration Act restrict the hours of assistants to forty a week, plus a limited number as overtime, and they attempt to restrict the "open" hours to forty-eight. This is a compromise, in the main centres "all-night" or "urgent" pharmacies are provided so that chemists need open their shops only the forty-eight hours, leaving holidays and week-ends and nights to those other establishments. In small towns roster systems are established so that one chemist is available at any time.

## The Christchurch Shop

As high a standard of usefulness as any in New Zealand has been attained by the Christchurch "urgent" pharmacy (although it is by no means typical), and the pleasure enjoyed by Christchurch pharmacists as a result is as much as should be desired under present-day conditions. More than twenty-five years ago an organisation of local chemists, the Associated Chemists, Ltd., opened an all-night pharmacy in that town. In those days ordinary shops opened for evening hours every night and for Sunday morning and afternoon hours too. At first week-day evening hours were taken over by the "all-night." The manager was the sole employee of Associated Chemists; he worked seven nights a week with the shop open till 11 p.m. and he was on-call overnight. Several of the early managers were doing University work during the day, and are now prominent local medical men. By combined efforts of succeeding guild committees, Christchurch chemists slowly agreed to close, first on Sunday, then on Saturday nights, then, when the forty-hour week became universal, on Tuesday mornings as well. So that now 8.30 p.m. Friday—late night—we close till 8.30 a.m. on Monday.

The all-night's staff and work have increased enormously over the years. Even in the pre-social security days the manager had nights off and many of us of the middle generation remember working there at nights as assistants in our later apprenticeship years. Now, six hundred prescriptions are not unusual on week-ends. Each prescription (sometimes several on a

sheet) bears an after-hour sixpence additional charge. This is payable by the patient, not by the Social Security Fund. It is authorised in S.S. Regulations and "after-hours" is also defined precisely. The staffs consists of a manager and sub-manager who do approximately forty working hours a week each (excluding "sleeping-on" hours), while a young qualified and a young unqualified from day shops make the staff up to three every night. Doctors are encouraged to mark "urgent" only those prescriptions they want dispensed after hours. One comprehensive range of proprietary medicines is stocked as urgent medicines for counter trade.

## Finance

Owing chiefly to the after-hour sixpence on an increasing turnover, this is a prosperous business and shares in the company are at a premium. From one small shop the business has now expanded to a new suite consisting of two city shops with upstairs sleeping accommodation and a useful large room for pharmacy meetings of all kinds—we call it the pharmacy centre. This room houses a small students' library and a memorial library to which is added a memorial volume or volumes in memory of each passing pharmacist who has served his fellows well.

In early times the capital in the company was subscribed voluntarily by all the chemists within a three-mile radius of our central square. Shares could be held only by a chemist in business and had to be transferred to the new chemist on change of ownership. Now so many pharmacies are limited liability companies it is important that "Associated Chemist" shares should not go into non-chemist possession. It is equally important that more share capital should be issued so that the many new pharmacy licences on a much extended radius from the square should be able to share profits and "interest." They share the closed hours and their normal customers travel by car and taxi to the "urgent" pharmacy for the medicines they have to buy.

One of the main reasons why the Christchurch "urgent" excels almost all others is that it has an all-chemist directorate trying to provide model conditions. The shareholding in other cities has become more widely spread simply by inheritance and so purely professional motives are not

so evident. There is a good suggestion from one city that shareholding should be by means of pharmacy-held debentures bearing 5 per cent. interest and that profits above this should go to the Guild (business association of employers) funds for local radio advertising of chemists as a group or to any other corporate usefulness.

Lest too rosy a picture has been painted, Mr. Maplethorpe's visit to New Zealand has convinced us that we are most remiss in our aseptic technique. The antibiotics are handled by chemists generally in a fairly haphazard manner. One of the in-

novations mooted in the urgent pharmacy is the establishment there of an aseptic dispensing room where products could be manufactured and distributed for the whole city (170,000 inhabitants). We have no health centres in New Zealand. The doctors maintain their independence and anyway population concentration is scarcely sufficient to encourage the Government overmuch. However, we could and should advance ourselves in aseptic methods lest this essential branch of modern pharmacy be taken wholly from us by the pathological departments of general hospitals.

## ACTION TO MAKE LEVY "WORKABLE"

IN a circular (U.L. 758) to secretaries of Local Pharmaceutical Committees, the National Pharmaceutical Union reports that it is satisfied that all that can be secured from the Ministry in the matter of the shilling levy has, in fact, been secured, and that the scheme as modified will prove workable. The Central Committee therefore recommends contractors to accept responsibility for working the scheme.

The recommendation is supported by the following facts:—

That the contractor will be entitled to require payment of the levy on presentation of the prescription, and will be under no contractual obligation to dispense the prescription unless the levy is paid.

That the notices announcing the levy to the public will include wording that "The charge is payable to the actual supplier but is credited to the cost of the National Health Service."

That the payment on account will be at the rate of 11½d. per form to cover potential loss through failure to collect the levy at the time the prescription is presented, the dispensed medicine remaining uncollected in the hands of the contractor; or where, though the levy is not forthcoming because the patient cannot pay, the chemist nevertheless accepts the prescription for dispensing.

Dispensing doctors in rural areas have reached an agreement with the Ministry under which they will accept responsibility for collection of the levy from their dispensing patients. Their patients will be able to pay either in cash or by a postage stamp. Chemist contractors in rural areas who receive a substantial proportion of their total prescriptions by indirect means involving third parties, and not direct from the patients' households, and who issue the dispensed medicines without any direct

contact with the patient's household, will be allowed to accept payment of the levy by means of postage stamps attached to the prescription form in such cases. The alternative stamping method will be publicised only in areas where the public would have difficulty in sending a cash payment through the devious routes that have developed for getting prescriptions to the chemist for dispensing. Only chemists who experience a substantial number of "indirect" prescriptions will be entitled to operate the alternative "stamping" procedure. They will have to be identified to the Executive Council and authorised. Such chemists will receive an allowance of 3½d. per prescription form dispensed. The alternative stamping scheme has been agreed as workable by the members of the Rural Area Pharmacists' Committee.

The present "non-inducement" provision in the terms of service is not to be altered. It will therefore not be permissible for any contractor to give dividend or discount on levy payments.

The regulations will not include any provision to limit the right of prescribers to prescribe whatever they consider necessary, but publicity to the medical profession will be issued to lessen abuses. Changed prescribing habits affect the economic interests of contractors, a claim for increased remuneration will be made.

A claim for increased remuneration arising from an increased container allowance was sent to the Ministry on April 1, 1951, based on the economics of providing service in current non-levy conditions. The Ministry has been told that a further claim based on the circumstances that exist when the levy is in operation will be made.

No date for the introduction of the levy has yet been announced but it is expected to be June 1.



## CORRESPONDENCE

### Freemasons at the Conference

SIR,—A cordial invitation is extended to all Masonic members of the British Pharmaceutical Conference to attend an emergency meeting of the Temple Lodge, No. 5196, to be held at the Masonic Hall, Oldsmith Street, Nottingham, at 6.30 p.m. on September 4, when a lecture will be given by W. Bro. D. McCunn, P. Prov. W. (Notts), entitled "Eighteenth Century Masonry: Some Old Lodge Customs." To help in making the necessary arranging arrangements, the undersigned would be informed as soon as possible.

195 Berridge Road, F. A. BATES.  
Nottingham.

### Keeping to the Rules

SIR,—I was surprised to see the suggestion made by Mr. Frank Warren (*C. & D.*, May 3, p. 615) that the multiples amalgamate their expensive prescriptions as to bring their claims within the rules for special advance payment. In the first place the prescriptions sent in by each shop, whether multiple or privately ordered, are certified to have been dispensed at that shop. Secondly, any "vangling" has a nasty habit of coming to light sooner or later. Thirdly, it is my experience that the multiples have too much regard for their good names to risk exposure in any shady transactions. Finally, I have found that the average pharmacist, in whatever sphere he works, is an honest man. Perhaps I might add that I have no financial interest in multiple or "co-op."

W. HAIGH, Clerk,

Joint Pricing Committee for England.  
Newcastle-on-Tyne, 1.

### Emergency Locums in Liverpool

SIR,—I should like to clarify the situation regarding emergency locums in the Liverpool area. The scheme of the Liverpool Chemists' Association (*C. & D.*, March 1, p. 270) was evolved for one reason only, namely to help in an emergency, an example of which I will quote. A pharmacist on his way home from the theatre, with his family, was involved in a car accident resulting in all of them being detained in hospital overnight for observation. At 8.0 a.m. the following day, the pharmacist telephoned to ask if he could place a qualified pharmacist in charge of his premises for that day? In

fact, three different pharmacists rendered willing assistance by attending one day each. By that time the injured pharmacist was sufficiently recovered to return to his place of business. The important point to note is that not one of those pharmacists who helped in that emergency was a full-time locum, or able to do full-time locum work. The scheme in no way attempts to eliminate already existing sources of supply for locum tenens, and does not intend to interfere with them. May I refer to the unnecessary amount of work that is being placed upon my shoulders through people telephoning me and asking whether I can supply a locum for the first two weeks in August, etc., or "My manager has just given notice, can I obtain the services of another?" Chemists in the area are asked, therefore, to remember that the scheme is for use only in an emergency. Through my experiences of the past few months, I am convinced that the scheme is necessary and can only be beneficial.

Liverpool, 5.

H. W. COTTLE.

### Assistants and Registration

SIR,—Your contributor, Mr. H. Long, was well advised to put a large question mark after the title of his article (*C. & D.*, April 5, p. 480). It is indeed a questionable subject, though I for one am in no doubt about the answer to it. It would seem that Mr. Long is not aware that in 1920 the Pharmaceutical Society was forced by pressure from the Privy Council to make a by-law under Section 4 of the Pharmacy Act, 1908, and to register a number of the holders of the "Hall" certificate without examination. Therefore he does not realise that his suggestion would almost certainly cause a recrudescence of that trouble. At that time it was necessary to convene a special general meeting in order to pass a by-law, and on that occasion a large number of pharmacists from all over the country went to London to oppose it, which they did to such a tune that the meeting had to be abandoned. Nevertheless, after many wordy explanations, the opposition had to be withdrawn because the pressure from outside was too great. Every pharmacist is entitled to train someone to help him with his work, but to promote a system of examination and registration for people so trained is certain to result in a demand

by them for registration as pharmacists after a number of years' experience. Section 4 (1908) is still on the Statute Book, so they might easily succeed if sufficient external pressure could be worked up. This insidious propaganda should be vigorously resisted. Pharmacy must be reserved for pharmacists because pharmacy is one and indivisible—there is no possibility of drawing a line of demarcation between the assistant's work and the pharmacist's, such as there is between medicine and nursing, and between dentistry and dental mechanics. We should remind ourselves that the assistants of 1852 became the chemists and druggists of 1868 and they soon completely outnumbered the pharmaceutical chemists. The writing is on the wall.

Bristol, 1.

WM. COOPER,

Head of the School of Pharmacy.

SIR,—Your correspondent, Mr. J. Jenkins (*C. & D.*, April 19, p. 546) performs a most useful service in "spot-lighting" a particular aspect of the subject of registering assistants, illustrating the value of

bringing the whole matter out for detail inspection (as my article attempted to do so that we can all see more clearly why it is we are advocating or opposing. the circumstances he describes, it is natural that his main concern is with one particular section of assistants. Pharmacists as "fair-minded" as any other group of citizens, and none can understand better than they the position of the men concerned, most of whom, through circumstances not under their control, failed to qualify in their earlier years. They should however, derive distinct benefit from the proposals I outlined, since few could fail to demonstrate competence if they choose to do so (there is no suggestion of compulsion). In this way they would gain some status, whereas now they have none outside the circle of personal contact. Your correspondent's line of thought seems to be indicated by his introduction of the possibility of registered assistants being "subject to the Statutory Committee." My inference is correct, then I fear, are pursuing two very different objectives.

Bristol.

H. LONG.

## MEMORANDUM ON PURCHASE TAX

THE Federation of British Industries has issued a statement on the extent to which action by the Government in the Budget resolutions, following publication of the Douglas Committee's Report (Cmd. 8452), meets representations made by the Federation in 1951.

The main findings of that study by the Federation of the effect of purchase tax on the export trade were that, for production purposes, the home and the overseas markets are closely linked; that the artificial distinction between chargeable and non-chargeable goods created insoluble problems of production and marketing, resulting in loss of possible exports; that the tax lowers production of chargeable goods below economic levels; that it restricts the ranges of types of goods a manufacturer can produce (home market cannot absorb frustrated exports); deprives the manufacturer of the home market as a testing ground, and tends to influence demand and production towards inferior goods.

The work of the Douglas Committee is regarded by the Federation as admirable within its narrow field, and its solution "ingenious so far as it goes," but "it is clear that the recommendations do little to remove the ill-effects of the tax beyond filling in the blind spot." The purchase tax is a levy, it is argued, with mutu-

ally contradictory purposes—of raising revenue and restraining or diverting demand for consumption goods. The more succeeds in the one, the more it fails in the other. As an instrument of raising revenue it is selective on turnover, first making particular goods chargeable, a secondly by differential rates of tax. Influences set up by the purchase tax on production for the home market may similarly affect production for overseas markets which, having alternative sources of supply, refuse to submit to influences imposed by the tax on the home market.

The concept of purchase tax should, it is urged, be re-examined fundamentally. Whether it should be levied at the wholesale or at retail stage should be decided at the re-examination. If the selection of chargeable goods and the rates of tax to be levied are to be determined by the criteria of whether they are necessities or luxuries then some means must be found of discriminating against goods merely because they are of the highest quality material or workmanship in their field.

The Federation reiterates its request that an immediate review should be made of the effects of the purchase tax on industry and exports, and that a Purchase Tax Advisory Committee should be created, to examine instances of injurious effects.



# SMALL-SCALE MANUFACTURE OF INJECTIONS

By D. Etchells, B.Sc., Ph.C. (chief pharmacist, Christie Hospital and Holt Radium Institute, Withington, Manchester, 20)

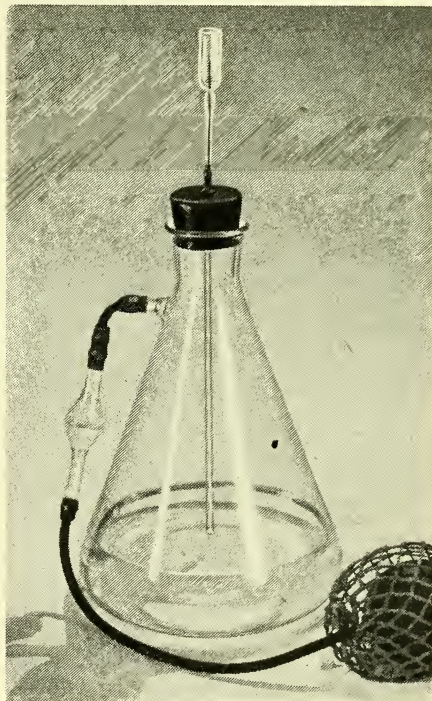
## 2.—The Container and Method

CONTAINERS for the manufacture of sterile solutions fall roughly into three main types: Containers for single injections (usually an ampoule), multi-dose or vaccine bottles, and containers of 500 ml or one litre for transfusion and other solutions. All should comply with tests for alkalinity as laid down in the British Pharmacopœia, 1948, p. 830. The purpose of the tests is to limit the use of alkaline glass, an important factor where the  $pH$  of the solution has to remain constant. On prolonged storage, however, ampoules may not completely comply with these tests, and the Pharmacopœia directs that the containers be washed with a 5 per cent. volume in volume solution of glacial acetic acid followed by three washings with distilled water. The tests are then repeated.

### Ampoules

Ampoules should always be used where possible, in preference to multi-dose containers. As purchased they are usually sealed. Various forms of cutting devices are available (see *C. & D.*, February 16, pp. 210, 213). The use of a file is not entirely satisfactory and may lead indirectly to an increased loss of the final product. A simple cutting tool, however, manufactured by Gallenkamp & Co., Ltd., 17 Sun Street, London, E.C.2, and consisting of a special hardened steel cutting edge, gives indefinite service. A satisfactory improvised machine consists of a diamond pencil inserted through a hole in a rubber bung, until the tip protrudes through the top. The bung with the stick of the pencil below can then be fixed into a suitable jar, and the ampoule is rolled over the top of the diamond point, giving a clean simple scratch. With care the life of the latter lasts almost indefinitely. The ampoule after scratching is inverted and a clean snap produced, any particles of loose glass tending to fall out. The length of the neck is a matter of choice, but normally about two-thirds of the original neck should remain on the vial. A considerable amount of dust, etc., lies on the outside of the ampoule when taken from the box, and it is worth while, after cutting, to store them temporarily in a bowl of warm water containing no detergent. Where small batches are being prepared it is advisable to flame the cut surface and thus

reduce any loss through glass chippings during the filling operation. This particularly applies to the larger ampoules when only half a dozen may be needed at one time. Washing the cut ampoules



Simple ampoule-washing device

will reduce the number of final products that are rejected because of contamination with glass and other matter. A simple, improvised type of washing device is illustrated above. It consists of a filter flask, fitted with stopper and centre tube attached through an adaptor to a needle over which an ampoule may be placed. The flask is filled with clean, warm fresh distilled water and pressure is applied through the bellows. A jet of water is produced from the needle which satisfactorily washes the ampoule in position over the needle. Multi-jet washing equipment can be tried but the time of loading and unloading compares unfavourably with that of the single jet. After washing, the vials can be stacked in trays and dried and



sterilised by heating at 150°C for one hour. Another method of drying uses a square of zinc or other suitable metal punched with numerous holes each  $\frac{1}{8}$  in. in diameter. The square is supported on a metal frame, and the ampoules after washing are placed inverted through the holes, allowed to drain and then sterilised in the usual manner. The advantage of this is that no further contamination from dust or foreign particles can enter the ampoule. For runs involving a dozen of the products, ampoules can be stored clean and sterile in aluminium tins.

### Multi-dose Containers

Multi-dose containers present fewer problems than ampoules. By far the best type of general use is the Clinbritic bottle, fitted with the skirted rubber cap and screw hard-plastic cover. New bottles should be treated with a hot solution of a potassium dichromate/sulphuric acid mixture, rinsed well with warm water and then autoclaved. Before use all bottles should be well washed in a dilute solution of some detergent and then well rinsed to free from particles and hairs. For this process the Adelphi automatic bottle washer (Adelphi Manufacturing Co., Ltd., 20 Duncan Terrace, London, N.1) is suitable, but a piece of  $\frac{1}{8}$ -in. thick rubber should be placed at the base of the nozzle, for otherwise the glass-to-metal surface has a tendency to cause chipping of the neck of the bottle. A simpler, although a less quick, device can be made by attaching a fine metal U-tube to a water tap. The bottles are inverted over the end of the tube, and the water sprays up to the top and round the sides of the container. After rinsing the bottles should be drained, and the prepared cap placed in position. A final rinse with the vehicle to be used ensures that the container is ready for final filling. If inexpensive (e.g., normal saline) the medicament could be used as rinsing solution.

The rubber caps for the bottles require boiling in three or four changes of distilled water, and if bactericide or bacteriostat is to be used in the injection, storage for forty-eight hours in the particular solution is essential. If sodium metabisulphite is to be used, it is advisable to store for a similar time in 0.1 per cent. metabisulphite solution.

Transfusion bottles are probably the easiest container to prepare for filling. A routine following that for vaccine bottles can readily be followed. The most satisfactory is the Medical Research Council

bottle. The rubber liners and metal cap should always be separated, cleaned and washed. Several changes of boiling distilled water are necessary for the liner. The bottle is finally rinsed and capped.

### Preparing the Solution

The preparation of the solution depends on the form of sterilisation to be adopted. Drugs and chemicals should be of the highest quality. The question arises as to whether a dose-volume should be completely in one system (Imperial or metric) or both. In hospitals, in particular, where many injections are used, the maintenance of one system of volume throughout is worth considering. In private pharmaceutical practice, the decision is perhaps left to the pharmacist.

Where the medicament is not stable to sterilisation by autoclaving, the Pharmacopœia lays down that a bactericide is to be used if the solution withstands heating at 98-100°C. The choice of bactericide from 0.2 per cent. w/v chlorocresol or 0.002 per cent. phenylmercuric nitrate is left to the discretion of the pharmacist provided no incompatibility is produced. A paper on this subject (*C. & D.*, 1921.402) was produced after a series of experiments. A wide range of drugs were examined and they showed incompatibility with one or other of the bactericides. However, many medicaments present no difficulty, and solution is straightforward. For solutions in multi-dose containers that may be sterilised by autoclaving, the Pharmacopœia lays down that a bacteriostat shall be incorporated to prevent contamination of the solution. The United States Pharmacopœia XIV and the United States National Formulary IX also limit the number of doses to be withdrawn in individual containers. The U.S.P. directs that for certain specified uses, or if the dose is 100 mils or more, only ampoules may be used. When an injection is intended for subcutaneous or intramuscular injection, multi-dose containers and a bacteriostat may be used. Not more than ten doses may be withdrawn. From experience the contamination of multi-dose containers in use, this standard is worthy of note, although it is not official in Britain. The British Pharmacopœia, 1948, lists (p. 82) bacteriostats that may be used.

The efficiency of phenylmercuric nitrate was recently the subject of a paper at the British Pharmaceutical Conference (see *C. & D.*, 1951.II.366) but work on pathogenic organisms had not been done.

## EIGHT CANDIDATES SPEAK IN LONDON

### Metropolitan Branches Join in Providing a Platform

EIGHT of the fifteen candidates for election to the Pharmaceutical Society's Council accepted the joint invitation of the North, East, South-west, South-east and West Metropolitan Branches of the Pharmaceutical Society to address a meeting in London on April 30. Speaking in alphabetical order, they outlined their policies and later answered questions.

#### Forty Years Behind Time?

MR. W. S. BENJAMIN said that the Council was lacking in employee representation. Proprietors formed only 33 per cent. of the total membership of the Society. The present Council was a "cross-section of pharmacy thirty or forty years ago." He regretted that the owner of a pharmacy business was the only person with whom a dispensing contract under the National Health Service could be made.

MR. F. H. CONNELLY felt strongly, as an employee representative, that it was only justice that the largest section of pharmacy should have some representation in the Council.

MR. WILLIAM COOPER regretted the present "rather insidious propaganda" about unqualified dispensers. Every pharmacist trained assistants, but if it was suggested that they should undergo examination and be registered, then that was going to be a dangerous thing. In 1852 Pharmaceutical Chemists had had assistants. In 1868 the assistants had become registered Chemists and Druggists and had immediately outnumbered the Pharmaceutical Chemists and had done so ever since. Now some pharmacists were asking for a repetition of that state of affairs.

MISS HINCKS held that the Society ought, with profit to members and future pharmacists, provide education in cost accounting, which was equally needed in retail and in hospitals. She hoped that management committees were being educated as to the difference between holders of the Apothecaries' Hall certificate in dispensing and pharmacists. Pharmacists wanted "assistants to pharmacists," and they should have some say in what they learnt. It would be an advantage to hospital pharmacists if, through the Ministry of Health, the Society's inspectors were invited into hospital pharmacies.

MISS M. C. ISLIP said that adequate and spacious pharmacy schools with

skilled teachers were required, as were post-graduate refresher courses. Standards of accommodation, service and equipment were required in hospital, retail and manufacturing houses. There was not the contact and co-operation that there might be between the Society and the Branches. Liaison with other countries was also important.

MR. H. LONG contemplated a system of regional representation on the Council whereby members resident in one region would not necessarily be excluded from candidature in another. He disagreed with the suggestion that the Council should embrace sectional representatives. There was a case for action on the question of unqualified people, though he would most certainly oppose any attempt at dilution.

MR. W. E. STOKES said that qualities to be looked for in a potential Council member were personal calibre, experience, ability in various directions, including that of making wise decisions round a Council table. The Council should be more representative of pharmacy as a whole. It was too much weighted on the side of the proprietor pharmacist. He was in favour of a two-year apprenticeship before the final examination for those who intended to stay in retail pharmacy. A register of unqualified assistants would be helpful to the employer.

MR. B. A. WILLIAMS said he stood as a socialist. If it were asked "Why introduce politics into pharmacy?" his reply would be that the actions of others showed that they did what he did but perhaps not so openly.

A letter giving MR. W. T. ELDER'S election address (C. & D., May 3, p. 608) was read.

#### Questions to Candidates

In answer to a question whether the time had come for a joint negotiating committee, all except one of the candidates expressed dissatisfaction with the present Central N.H.S. (Chemist Contractors) Committee and a preference for the old Joint Committee on a National Pharmaceutical Service.

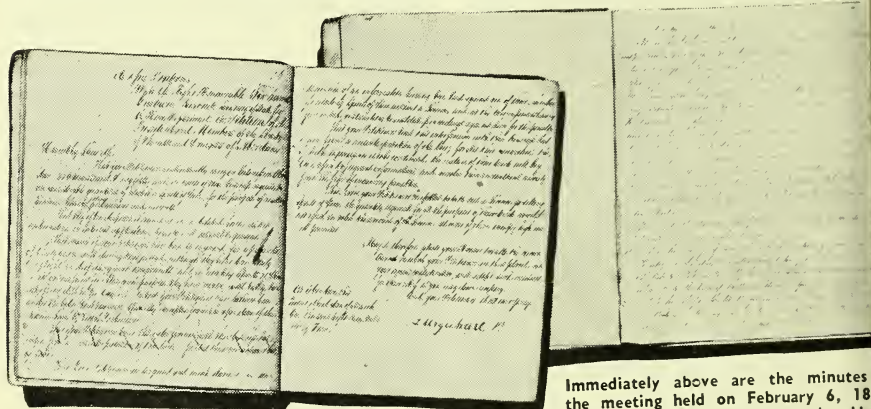
MR. STOKES, speaking as a member of the Central N.H.S. (Chemist Contractors) Committee, said that it was a matter of Common Law that the proprietor of the business should contract to provide the service.

# MINUTE BOOK OF A PIONEER SOCIETY

THE first minute book of the Society of Apothecary Chemists and Druggists preserves records even beyond the establishment of the Society on February 6, 1839. The opening page reads:—

At a meeting of the Chemists and Druggists of the City of Aberdeen held in the

leisure hours to good account, as well as affording to the Masters suitable facility for consulting proper authority, on those branches of science which are connected with their profession, that a Library of useful books on scientific subjects should be established, the rules and regulations regarding which to be settled by a committee to be formed at the next meeting



Immediately above are the minutes of the meeting held on February 6, 1839. At left, copy of a petition sent to the Hon Secretary in 1843 against the imposition on chemists of the need to take out a licence in order to sell alcohol in tinctures, etc.

Aberdeen Hotel on Saturday evening, February 2nd, 1839 . . . Mr. Samuel Dyce being called to the Chair, and Mr. Charles Davidson being appointed Secretary, the Chairman read over the requisition of the Assistants and Apprentices, which he stated he considered, respectfully worded, as they had asked for nothing in particular, but had left it to the meeting to consider what steps should be taken for the purpose of giving them an opportunity of improving their minds, the Chairman suggested that it was entitled to a calm and full investigation. . . . After considerable discussion the following motions being made and seconded were unanimously carried:—

1st That on the evenings of every day with the exception of those of Thursday and Saturday, the shutters should be put upon the windows at half-past-eight o'clock, the hours of shutting on the days specified to be left optional.

2nd That the shops should be opened in the Summer Quarter at 7 o'clock in the mornings, in the Winter at eight o'clock, and during the Spring and Autumn quarters at half-past-seven o'clock.

3rd That all shops should be closed during Divine Service forenoon and afternoon on the Lord's Day.

4th With a view of giving the assistants and apprentices an opportunity of turning their

The actual foundation of the Society is recorded in the following minute, dated February 6:—

This being the time appointed for the meeting to be held to receive the report of Messrs. Dyce and Souter, in addition to the former seditious there were present Messrs. Wm. Clark, Wm. Davidson, Wm. Elmslie, John Sutherland, and Geo. Troun. The minutes of the former meeting being read, and approved of, and as to a copy of those minutes the names of all the trades were adhibited it was agreed that the contemplated changes should come into operation on Monday the 5th day of March next, and that due intimation should be given to the public, by a suitable number of advertisements in the Aberdeen newspapers, as well as by distributing copies of the same advertisement in the form of bills from each shop. It was resolved that a Society should be formed to be called "The Society of Apothecary Chemists and Druggists."

The long hours assistants were called upon to work a century or more ago is reflected in a minute of March 4, 1842:



A petition was presented and read from thirty-six of the assistants and apprentices praying the Society to take into their consideration the propriety of closing

the shops all day on Sunday. This petition gave rise to a good deal of conversation, which ended in its overthrow in the meantime as being impracticable."

## CHEMICAL MERCHANTS' ANNUAL MEETINGS

THE twenty-ninth annual meeting of the British Chemical and Dyestuff Traders' Association, Ltd., was held in London on May 6, Mr. Charles H. Wilson (chairman) presiding.

Officers were elected or re-elected as follows:—*President*, Mr. G. S. Bache; *Vice-president*, Mr. C. W. Lovegrove; *Chairman*, Mr. C. H. Wilson; *Vice-chairman*, Mr. C. Norton Stafford, C.B.E., T.D.; *Treasurer*, Mr. Ian D. Orr, A.M.I.M.M.; *Executive Council*, Messrs. J. F. Blagden, T. Gregson, and S. R. Price, M.B.E., M.A.; *Auditor*, Mr. R. Heap, F.C.R.A.

### Import Licences Position

In his annual report, THE CHAIRMAN said that during the year a number of disputes arising out of contracts had been settled by arbitration under the Association's rules. In October 1951 consultations had been held between representatives of the Association and the Dyestuffs Control to clarify the import licences position. The protection afforded to the home industry had the effect of establishing monopolies of distribution. "The procedure calls for revision at the earliest possible moment."

In the previous annual report reference had been made to the assessment to duty of landing charges of imported goods, and to the objection lodged by the Association to H.M. Customs' proposal to extend to all ports the procedure of adding to the value a flat rate for landing charges. The question at issue was the point at which I.M. Customs and Excise considered that the statute required the goods to be valued. A delegation representing the Association and other bodies concerned had held discussions with the Board of Customs and Excise and had stressed the advantages of a uniform point of valuation based on the c.i.f. value as represented by the commercial invoice. So far the discussions had not yielded a basis of agreement, but it was hoped that an equitable settlement of that long-standing problem would be reached. Claims for pre-war German debts had been submitted on behalf of members to the Export Credits Guarantee Department. Trade restrictions throughout the world had been on a scale not previously

envisaged in a time of peace, and merchants had felt the disruptive effect on trade of measures adopted by various governments to protect a declining economic position. It was not the object of those measures but the means of achieving them, often without notice, that was questioned. British merchant houses were resourceful and adaptable to changes in world conditions, but they were defenceless against the action of governments, which cut across the sanctity of contracts. Revocation of licences was all too frequent, and if governments did not recognise that contracts entered into by their nationals in good faith must be honoured, then confidence in international trade would reach a low ebb.

### Annual Luncheon

The annual meeting was followed by a luncheon at which the toast of the Association was proposed by VISCOUNT SWINTON, P.C., G.B.E., C.H., M.C. (Chancellor of the Duchy of Lancaster). Lord Swinton recalled that in 1923 he had had some share in encouraging the amalgamation that now formed the Association. His six or seven years at the Board of Trade had convinced him that this country needed the best of both manufacturing and merchanting. Co-operation between the two was never more needed than today. He knew how useful the Association had been in the distribution of Lease-Lend drugs, and hoped it would carry on in that way.

MR. G. S. BACHE (president) replied. He said that one of the objectives in any industry was to have a central authority to uphold the dignity of its members and protect them if necessary. "If you," he said to Lord Swinton as representing the Government, "would only lift some of the restrictions and controls and release the knowledge of trading that existed in industry, then the Chancellor's task would become much easier."

The toast of the guests was proposed by MR. CHARLES H. WILSON (chairman of the Association). MR. EDWIN MCCARTHY replied.

**Indian Penicillin for Ceylon?**—Negotiations are in progress for the supply of penicillin to Ceylon from a factory at Poona, India, by the end of 1953.

## TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

LONDON, MAY 7

PRICE movements in the PHARMACEUTICAL and FINE CHEMICALS market again tended downwards during the week. The most outstanding feature was the substantial reduction of 1s. 11d. per oz. in EPHEDRINE HYDROCHLORIDE of British manufacture on May 5, to meet serious competition from Germany. The German (synthetic) product can be produced much more cheaply than the British (natural) alkaloid, and during the past year or so quantities far in excess of this country's needs have been landed. EPHEDRINE ALKALOID and SULPHATE are unchanged. THYMOL has been reduced by 2s. 6d. per lb. Some adjustment has been made in the price schedules for heavy MAGNESIUM CARBONATE, slightly increasing its cost in small quantities; bulk lots, however, are not affected.

The stock position of HONEY has shown an improvement, and further supplies are expected to arrive during the next two weeks. Quotations for Australian and Argentine material have consequently eased. There are no signs yet of Jamaican material, and in view of the poor crop it is too early to say whether any will be available shortly. BALSAM PERU quotations showed a fall of sixpence per lb. for stocks on the spot and for forward delivery. Further easing has occurred in Prime Cape ALOES on the spot, following lower shipment quotations. Owing to a lack of interest on the part of buyers, prices of many other CRUDE DRUGS are nominal, whilst a growing number are being offered at well under replacement values. The firmness of SHELLAC noted last week was short-lived, and this week's prices show a decline of 20s. per cwt. in all grades. Offers of new-crop ERGOT for July-August shipment have been received at 30s. per lb., c.i.f. Columbian IPECACUANHA for shipment is now at 41s., c.i.f., per lb. WAXES and GUMS are unchanged, and the quiet conditions prevailing in AROMATIC SEEDS continued. Spot supplies of SASSAPARILLA are becoming scarce. Aleppy green CARDAMOMS were marked down by 1s. 3d. per lb.

In the ESSENTIAL OILS market SPEARMINT continued firm. ANISE, at 8s. 6d. per lb. for spot material, was at least one shilling under replacement cost. Slight reductions were noted in EUCALYPTUS, LAVENDER, LEMONGRASS and BAY.

### U.S. Drug and Chemical Report

NEW YORK, MAY 6

PRICES have been reduced again on fermentation ALCOHOL, bringing quotations for ETHYL ALCOHOL, tax free, 190 proof, down to 57½ cents per gall. from previous 75 cents. Labour troubles in other industries

have resulted in increasing the available stocks of SULPHURIC ACID and CAUSTIC SODA. Competitive conditions have cut THEOBROMINE prices, while easier metal quotations have caused reductions in ZINC OXIDE. ANISE (Kobé No. 1) turned stronger at \$1.40 per lb. (up 5 cents). ESSENTIAL OILS higher per lb. include ANISE at \$1.85 (up 5 cents); BAY, \$1.60 (5 cents) and CHEMICAL PODIUM, \$8.25 (25 cents). Essential oils lower per lb. include GINGER, at \$15 (down 50 cents); CITRONELLA, 60 cents (cents) and LIME, \$7.50 (50 cents).

### Pharmaceutical Chemicals

ADRENALINE.—B.P. is from 1s. 2d. to 1s. 7d. per gm., as to quantity.

AMIDOL.—In 14-lb. lots the price is 10s. per lb.; 7-lb., 19s. 6d.

AMMONIUM CARBONATE. — B.P. lump £71 5s. per ton; POWDER, £74 5s. BICARBONATE is £47 15s. per ton, all delivered f.o.b. U.K. in non-returnable packages.

ASPIRIN. — Prices are as follows: 5-cwt. lots, 4s. 10d. per lb.; 1-cwt. lots, 4s. 10½d.; 28-lb. and under 1-cwt., from 5s. 8d. to 6s., according to pack. Rates for 1,000 for TABLETS are as follows:—Under 5,000, 5s. 0½d.; 5,000 and over, 4s. 10½d.; 10,000, 4s. 9½d.; 25,000, 4s. 7½d.; 100,000, 4s. 5½d.; 250,000, 4s. 5d.; 500,000, 4s. 4½d.; 1,000,000, 4s. 3½d.

BENZENE.—Unchanged. B.P.C. grade quoted at 5s. 7d. per gall.; thiophene-free, 7s. 10½d. per gall. in 50-gall. barrels, 1s. 10d. per lb.

BENZYL BENZOATE. — Makers offer 1-cwt. grade at from 5s. to 6s. per lb.

BROMIDES.—POTASSIUM B.P. crystals 5-cwt. lots is now 2s. 10d. per lb.; 1-cwt. lots, 2s. 11d. per lb. Powder is 1½d. per lb. more. AMMONIUM is 2s. 11d. per lb. 5-cwt. lots and SODIUM, 2s. 9d. per lb.

CALCIUM CHLORIDE.—B.P. crystals 1s. 0½d. per lb. in 1-cwt. lots and existing, 9½d.

CARBON TETRACHLORIDE.—In 1-2 cwt. lots, B.P. grade is £120 per ton. TECHNICAL, in 40-gall. drums, in less than 1-cwt. lots, is £76 per ton; 1 ton and under, £74 10s.; 2 tons and under 4 tons, £74; 4 tons and upwards, £73.

CREAM OF TARTAR.—Rates for the home trade are as follows:—10-ton lots, 231s. per cwt.; 1-ton, 231s.; 10-cwt., 232s. Small quantities from 233s. to 235s. per cwt. delivered.

DIPHENAN.—Prices range from 58s. to 67s. per lb., according to quantity.

EPHEDRINE HYDROCHLORIDE.—In 100-lb. lots the price is now 5s. 1d. per oz.

**HYDROQUINONE.**—Quotations for 1-cwt. lots are 11s. per lb. For smaller quantities viz., 28-lb., 11s. 3d.; 14-lb., 12s.; 7-lb., 2s. 6d.

**HYOSCINE HYDROBROMIDE.**—Quotations are from 90s. to 95s. per oz., according to quantity, for British material.

**LITHIUM SALTS.**—Current rates for 1-wt. lots are as follows:—**CARBONATE**, 0s. 6d. per lb.; **CHLORIDE** (commercial), 0s.; **HYDROXIDE**, 10s.; **CITRATE**, 8s. 6d.; **ULPHATE**, 7s. 10d.; **SALICYLATE**, 9s. 6d.

**MAGNESIUM CARBONATE.**—Rates are:—in 5-cwt. lots, 149s. 8d. per cwt.; 1-cwt., 55s. 2d. (in bulk). In quantities from 8-lb. and less than 1-cwt. prices are from 1s. 10d. to 2s. 1½d. per lb., as to quantity. **HEAVY, B.P.**, in bulk is as follows:—1-cwt., 167s.; 5-cwt., 158s. per cwt.; in quantities of 28-lb. and less than 1-cwt., prices are 2s. per lb.

**OLEIC ACID.**—Prices for B.P. are from 1s. 7d. to 2s. per lb. and technical from 5s. 5d. to 1s. 10d. per lb.

**OXALIC ACID.**—In quantities of 1-ton and less than 2 tons, spot material for the home trade is £133 10s. per ton, in 5-cwt. bags; 10 cwt.-1 ton, £138 10s. per ton; 1-cwt.-10 cwt., £143 10s. In 1-cwt. kegs, prices are £4 per ton more; quantities of less than 5-cwt., £162 10s. per ton. Packages free; delivered in U.K.

**PHENYLACETIC ACID.**—In 1-ton lots the price is now 5s. 6d. per lb.; 1-cwt., 6s. per lb. Perfumery grade, re-crystallised is from 1s. 6d. to 11s. 6d. per lb., as to quantity.

**POTASSIUM ACETATE.**—In 1-cwt. lots B.P. granules are 2s. 8d. per lb.

**POTASSIUM BICARBONATE.**—B.P. powder 130s. per cwt.

**POTASSIUM SULPHATE.**—B.P.C. crystals are 2s. per lb. for 1-cwt. lots.

**POTASSIUM SULPHIDE.**—B.P.C. lump and granulated are 1s. 11½d. and 2s. 3½d. per lb. respectively for 1-cwt. lots.

**SODIUM ACETATE.**—B.P.C. powder in 28-lb. lots is 1s. 9d. per lb.

**SODIUM CHLORIDE.**—Re-crystallised is 1s. per cwt.

**SODIUM SULPHITE.**—Prices are as follows:—**ANHYDROUS** powder, in 4-ton lots, £8 15s. per ton, packed in 1-cwt. free bags. **Pea CRYSTALS** (photographic) in 4-ton lots, £36 17s. 6d. per ton in free bags or £28 12s. 6d. per ton in 1-cwt. bags. **Surcharges:** 2 tons, 10s.; 1 ton, £1; 10 cwt., £2; 5 cwt., £3; 1 cwt., £6 more than above rates.

**SULPHOCARBOLATES.**—Unchanged. **SODIUM CENOSULPHONATE**, B.P.C. (powder) is now 7s. 11d. per lb. in 28-lb. lots; 7-lb., 1s. 3d. per lb. **ZINC**, B.P.C., is 7s. 7d. per lb. (28-lb.).

**THYMOL.**—Reduced. 28-lb. lots are now 5s. 6d. per lb.

## Crude Drugs

**AGAR.**—Firm. **Kobé No. 1** on the spot is 14s. 9d. per lb.

**ALOES.**—Prime Cape is easier at 200s. per cwt. for spot material and from 198s. to 200s., c.i.f., for prompt shipment. **Curacao** is 425s. per cwt., on the spot.

**BALSAMS.**—*Canada* is 32s. 6d. per lb. on the spot. *Copaiba:* Maranhão on spot is offered at 18s. 6d. per lb. *Peru* is easier at 15s. 3d. per lb., duty paid, and 13s. 3d., c.i.f., for shipment. *Tolu*, natural is steady on the spot at 33s. 6d. per lb., and for shipment, 31s., c.i.f.

**BENZOIN.**—No. 1 Sumatra block on the spot is quoted at from £27 10s. per cwt. and for shipment, £26 (or a shade under), c.i.f. Siam almonds are from 27s. 6d. to 37s. 6d. per lb., spot, as to size.

**CAMPHOR.**—Chinese (B.P.) powder on the spot is from 4s. 1½d. per lb. in bond (4s. 6d., duty paid); ¼-oz. tablets are quoted at 6s. per lb., duty paid, 2½ lb. slabs, 5s. 3d. per lb., duty paid.

**BUCHU.**—Short round leaves, new-crop, are 2s. 3d. per lb., old-crop, 2s. 2d., spot.

**CARDAMOMS.**—Easier. Aleppy greens for May shipment are 12s. 6d. per lb., c.i.f.; spot, 16s. 6d.

**CHERY BARK.**—Thin cut natural is from 1s. 10d. to 2s. 2d. per lb., duty paid, as to holder.

**CHILLIES.**—Quiet. Sierra Leone on the spot are 220s. per cwt.; for shipment, 175s., c.i.f.; East African (Mombasa), 260s., ex warehouse; for shipment, 250s., c.i.f.

**COCHINEAL.**—Black is from 7s. 3d. to 7s. 9d. per lb., as to quality, and silver grey, 6s. 3d. to 7s., spot.

**ERGOT.**—Easier. Portuguese is 37s. 6d. per lb., spot. New-crop for July-August shipment is offered at 30s., c.i.f.

**GINGER.**—Unchanged. African on the spot is 125s. per cwt. and 135s., c.i.f. Jamaican No. 3 is 190s., c.i.f.; spot quotations are from 190s. to 220s. per cwt., as to quality. Cochin, 132s. 6d. per cwt., c.i.f.

**HONEY.**—Spot supplies of Australian are from 110s. to 122s. per cwt., as to quantity. Argentine material is 127s. 6d. per cwt., on the spot.

**IPECACUANHA.**—Quiet. Forward offers of Nicaraguan, May-June shipment, are from 45s. to 46s. per lb., c.i.f., and Colombian, 41s., c.i.f. Spot prices are nominal.

**MENTHOL.**—Easier. Chinese and Brazilian are 50s. 6d. per lb., duty paid. Brazilian forward price for May - June shipment is 41s., c.i.f.

**SAFFRON.**—Mancha superior is offered at 175s. per lb., on the spot.

**SARSAPILLA.**—Jamaican native red is about 2s. 7d. per lb., on the spot.



**SEEDS.—ANISE.**—Only Turkish offering at 135s. per cwt., in bond, and 150s., duty paid. **CARAWAY.**—Dutch in poor demand at 100s., duty paid, spot London. **CELEBY.**—Indian quoted at 1s. 10½d. per lb., spot London. **CORIANDER.**—Market unchanged with no business reported during the past week. Spot: Morocco is 72s. 6d. per cwt., duty paid (67s. 6d. in bond); Argentine splits, 65s.; Indian, 97s. 6d. Shipment: Morocco new-crop for June-July are now quoted at 50s., c.i.f., main ports. **CUMIN.** Owing to lack of business spot prices are nominal at: Cyprus, 190s. per cwt.; Indian, 185s.; Malta, 195s., and Morocco, 200s., duty paid. **DILL.**—Indian unchanged at 82s. 6d. per cwt., spot. **FENNEL.**—Spot, Indian, 200s. per cwt., and French, 185s., duty paid. **FENUGREEK.**—Morocco is offered at 42s. per cwt., duty paid, spot London or Liverpool. **MUSTARD.**—English, 70s. to 110s. per cwt., according to quality.

**SENEGA.**—Spot supplies are 14s. per lb., nominal. July-August shipment offers are 12s. 9d. per lb., c.i.f.

**SENNA.**—Tinnevely leaves quotations are as follows: Prime No. 1, 1s. 6½d. per lb., nominal; Prime No. 2, 1s. 4½d., spot; f.a.q., dry crop, No. 2, 11½d., c.i.f.; No. 3, 9½d., spot and 8½d., c.i.f.; No. 4, spot, 8d., and forward 7½d., c.i.f. **PODS.**—Tinnevely hand-picked No. 1, 2s. 4½d. per lb., c.i.f., May shipment; f.a.q., 2s. 1d., spot, and 1s. 9d., c.i.f. **Alexandria,** hand-picked No. 1 from 6s. 6d. per lb., upwards; medium, 4s. 6d. to 4s. 9d., and manufacturing, 2s. 2d., spot, and 2s., c.i.f. Leaves are 11d., and siftings, 10d. per lb., spot.

**SHELLAC.**—Spot quotations are: F.O.T.N., pure, 200s.; F.O. Standard No. 1, 220s.; fine orange, 255s. to 320s. per cwt., ex-London warehouse.

**STYRAX.**—Spot is 7s. 9d. per lb., duty paid.

**TURMERIC.**—Madras finger on the spot is 65s. per cwt., nominal. Forward offers are 55s., c.i.f.

**VALERIAN.**—Steady. Indian is offered at 140s. per cwt., spot, and Belgian at 220s.

**WAXES.—BEES'.**—Dar-es-Salaam on the spot is 445s. per cwt.; shipment, 395s., c.i.f. Benguela on the spot is 460s. per cwt., nominal, in bond; shipment, 390s., c.i.f. **CANDELLA.**—Spot supplies are offered at 640s. per cwt.; no shipment offers. **CARNAUBA.**—Prime yellow, spot, 1,000s. per cwt.; shipment, 940s., c.i.f. Fatty grey, spot, 760s. per cwt.; shipment, 750s., c.i.f. **MONTAN.**—Reibeck crude on the spot is 135s. per cwt. **OURICURI.**—Spot 0.5 per cent. impurities, 700s. per cwt. **SPERMACEIN.**—Spot supplies are from 2s. to 2s. 3d. per lb.

**WITCH HAZEL.**—Leaves on the spot are quoted at 2s. per lb.

## Essential and Expressed Oils

**ALMOND.**—English-expressed is from 6s. 6d. per lb.

**AMBER.**—Rectified on the spot is quoted at from 1s. 6d. per lb.

**ANISE.**—Steady. Spot supplies are from 8s. 6d. per lb., according to quantity.

**BAY.**—5-cwt. lots of W. Indian a 10s. 6d. per lb., on the spot, and from 9s., c.i.f., forward.

**BERGAMOT.**—Nominal spot value is 11s. per lb.

**BOIS DE ROSE.**—Brazilian on the spot 32s. 6d. per lb.

**CADE.**—Supplies of Spanish are from 2s. per lb., ex warehouse, London.

**CITRONELLA.**—Spot prices for origin drums are: Ceylon, 5s. 1d. per lb.; Formosa and Java, 6s. 3d. Forward quotations are: Ceylon, 5s.; Formosa, 4s. 6d., and Java, 4s. 9d. per lb., all c.i.f.

**EUCALYPTUS.**—70 to 75 per cent. eucalyptol on the spot is from 7s. 3d. to 7s. per lb. and 80 to 85 per cent., 8s.

**LAUVENDER.**—French, 40-42 per cent. lilol on the spot is from 43s. 6d. per Spanish spike is 13s. per lb.

**LEMON.**—Sicilian hand-pressed (4 cent. citral) is quoted at from 50s. per c.i.f. Spanish, 47s. per lb., c.i.f.

**LEMONGRASS.**—Forward quotations 8s. 3d. to 8s. 9d. per lb., c.i.f., as position. Spot supplies are from 9s. to 10s. 3d. per lb., as to quantity.

**OLIVE.**—Pharmaceutical oil in 45-g. drums, spot, is 24s. 6d. per gall., nominal. French virgin (maximum acidity 1 cent.), new-crop offered for immediate shipment is steady at £245; Tunisian virgin at £235, and French pharmaceutical (maximum acidity 0.25 per cent.), at £240. 1,000 kilos, c.i.f. U.K. ports. Spanish is £220 10s. per 1,000 kilos, f.o.b., nominal. Spanish port.

**ORANGE.**—West African is 22s. per spot and forward, duty paid.

**PALMAROSA.**—Spot quotations for Moroccan are 40s. per lb., East Indian, 50s.

**PENNYROYAL.**—Offers for immediate shipment are 29s. per lb., landed, duty paid for small lots.

**PEPPERMINT.**—Chinese *arvensis* oil on the spot is 34s. per lb.; Brazilian, 20s. Italian "Mitcham" type, 62s. 6d. per lb., c.i.f., and 63s. 6d. for spot.

**PINE.**—*Pumilionis* on the spot is quoted at from 18s. to 20s. per lb.; *sylvestris* at about 11s. per lb., and Siberian (*abies*) is from 18s. to 20s. per lb., duty paid as to holder.

**ROSEMARY.**—Quiet. Spanish on the spot is 7s. per lb., duty paid.

**SPERMINT.**—Firm. U.S.P. is scarce at 67s. 6d. per lb., on the spot.

## GUIDE TO NEW MEDICAMENTS

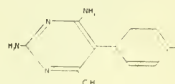
Information about new proprietary medicaments to be supplied principally on prescription. Editorial recommendation is not implied. Reprints obtainable on application.

### VISCARDAN

**MANUFACTURER:** The British Drug Houses, Ltd., Graham Street, London, N.1.  
**DESCRIPTION:** Khellin, a crystalline glycoside isolated from the seeds of *Ammi visnaga*.  
**INDICATIONS:** As a coronary vasodilator in angina pectoris. Also in coronary thrombosis, whooping cough and bronchial asthma. Uretal and biliary calculus.  
**DOSE:** 100-300 mgm. daily, orally, preferably after meals.  
**HOW SUPPLIED:** Tablets, each containing 50 mgm. in bottles containing twenty-five and 500. **FIRST ISSUED:** March 1952  
**NOTES:** For graphic formula see under Benecardin brand of khellin.

### PYRIMETHAMINE

**BRAND NAME:** DARAPRIM (Within the French Union, Malocide).  
**MANUFACTURER:** Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1.  
**DESCRIPTION:** 2:4 Diamino-5-[4-chlorophenyl]-6-ethylpyrimidine, an antimalarial.  
**INDICATIONS:** In the treatment and suppression of malaria.  
**DOSE:** Up to 50 mgm. has cleared parasitaemia in acute cases.  
 Suppression: 25 mgm. at weekly intervals.



#### REFERENCES IN MEDICAL PRESS:—

Archibald, "British Medical Journal," 1951, II, 821; Goodwin, *ibid.*, 1952, I, 732; McGregor and others, *ibid.*, 1952, I, 730; Falco and others, "British Journal of Pharmacology," 1951, 6, 185; Falco and others, "Nature," 1949, 164, 107; Rollo, *ibid.*, 1951, 168, 322; Schneider and others, *ibid.*, 1952, 45, 29; Schneider and others, "Bulletin Society of Pathology," 1952a; Vincke, "Ann. Soc. belge. Med. trop.," 1952, 39, 91.

**HOW SUPPLIED:** Tablets containing 25 mgm. in packs of six, thirty and 1,000.  
**NOTES:** The preparation is still under trial.

### ISONICOTINIC ACID HYDRAZIDE or ISONICOTINYL HYDRAZINE

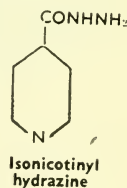
**TRADE NAMES, MANUFACTURERS, AND DATES OF ISSUE for trial in Britain:**  
**NYDRAZID** (E. R. Squibb & Sons, 17 Old Bond Street, London, W.1, Feb. 1952);  
**PYCAZIDE** (Herts Pharmaceuticals, Ltd., Welwyn Garden City, March 1952);  
**RIMIFON** (Roche Products, Ltd., Welwyn Garden City, Herts, March 1952);  
**TUBOMEL** (Benger Laboratories, Ltd., Holmes Chapel, Ches, April 1952).

**INDICATIONS:** In active pulmonary tuberculosis and possibly in extra-pulmonary tubercular infections.

**REFERENCES IN THE MEDICAL PRESS:** Benson, Bernstein, Elmendorf, Robitzek and Selikoff, Rubin, Steenken and Wolinsky, and colleagues "American Review of Tuberculosis," 1952, April; Uehlinger, "Schweiz-med. Wschr.," 1952, March, p. 335.

**DOSE:** Present recommended dosage is 2 mgm. to 4 or 6 mgm. per kilo of body weight daily.

**HOW SUPPLIED:** In tablets containing 50 mgm. (Nydrasid, scored tablets containing 100 mgm.) in packings of 100 and 1,000. Pycasid tablets also in packings of 500. Pycasid is also supplied as a sterile solution containing 25 mgm. per mil, in 2-ml ampoules. **NOTE:** The compound is under trial.



Subscribers are advised to make cross references of Daraprim to pyrimethamine, and of Nydrasid, Pycasid, Rimifon, and Tubomel to isonicotinic acid hydrazide.

## N.H.S. ACCOUNTS, 1950-51

THE summarised accounts of Executive Councils, Hospital Management Boards, and other bodies for England and Wales within the National Health Service were published recently. They show that the amount paid to pharmacists rose to £33,226,411 (compared with £29,964,429 for the previous year), but that the additional payment for rota services fell to £290,307 (from £307,020).

It is estimated that the main payment to pharmacists includes about £10,800,000 for dispensing fees, about £1,100,000 for the allowance for containers, about £17,700,000 for the reimbursement of the cost of drugs and appliances, and about £3,600,000 for the allowance for overhead expenses and profit. That amount does not represent the full figure under this head, for a provisional cut in the rate of the allowance operating from May 1, 1950, was partially restored in August 1951 with retrospective effect. The same applies to the amount quoted for dispensing fees, which were increased from May 1, 1950.

The amount advanced to Joint Pricing Committees rose to £254,859.

In England the cost of drugs and dressings supplied by hospitals under Management Committees was £6,520,780 (against £5,625,678), and in teaching hospitals, £1,519,099 (against £1,375,801). The cost of drugs and dressings in all hospitals rose by 0.2 per cent. of total hospital expenditure to 3.7 per cent.

The Comptroller and Auditor reports that by the end of December 1951 prescription pricing was about nine months in arrear. The central investigation unit set up by the Ministry of Health to detect and report instances of extravagant prescribing had made reports on 277 practitioners who by the end of November 1950 appeared to have been prescribing excessively. Most of those practitioners were visited by the Ministry's Regional Medical Officers and in addition warning letters were sent to over half of them. Reports on several practitioners who continued to prescribe excessively had since been referred to the Local Medical Committees. If a Committee decides that the cost of drugs or appliances ordered by the practitioner exceeds what was reasonably necessary for proper treatment, the Minister may direct that recovery be made from the practitioner.

Copies of the summarised accounts may be obtained from H.M. Stationery Office, Kingsway, London, W.C.2, price 2s. each.

## TRADE MARKS

- From the "Trade Marks Journal," April
- For chemical products used in industry, sci photography, agriculture and horticulture (1) ISCEON, 705,031, by the National Smelting Ltd., London, W.1.
  - For medicinal preparations for human use (1) ARGICILLIN, 702,630, by Jan Marcel D Aron-Samuel, Suresnes, France.
  - For photographic apparatus and instruments Device of crown, 704,057, by Coronet, Birmingham.
  - For sunglasses (9). GOLDEN ARROW, 705,380, by Arrow Optical Co., London, E.5.

- From the "Trade Marks Journal," April 30
- For protective preparations being non-medicamentous toilet preparations for application to the skin DUCK'S BACK, 704,377, by W. & F. W. Ltd., Kirkby.
  - For disinfectants (5). WOOSH, 695,514, by D.O.M. Products, London, W.1.
  - For all goods, excluding sanitary clothing or strapping appliances (5). NONEX, 697,457, by General Metallurgische Chemical, Ltd., London, E.C.2.
  - For vasoconstrictors for the treatment of diseases of the respiratory organs (5). PRINEXIN, 698,568, by Smith, Kline & French International Co., Philadelphia, U.S.A.
  - For chemical products for dental purposes, wax and material for stopping teeth (5). VITA-SELECTA, 699,269, by Vita-Zahnfabrik, H. Rauter Offene Handelsgesellschaft, Germany.
  - For pharmaceutical preparations for the treatment of cardiac ailments (5). BENECARDIN, 699,958, by Bengers, Ltd., London, W.1.
  - For all goods (5). VARIDASE, 700,443, by American Cyanamid Co., New York, U.S.A., PARDON, 704,567, by Edward Hack, London, W.C.1. SUDAN, 705,377, by the Wellcome Foundation, Ltd., London, N.W.1.
  - For pharmaceutical and veterinary preparations (5). APOCRINE, 701,513, by Farbenfabriken Bayer AG, Leverkusen, DINDEVAN, DEPERNOL, 702,225, by Evans Medical Supplies, Ltd., Liverpool.
  - For pharmaceutical preparations and substances COBASTAB, 703,063, by Boots Pure Drug Co. Ltd., Nottingham. BONPIRIN, 705,095, by Clinical Products, Ltd., Richmond.
  - For mineral supplements for use as nutrients adjuncts to animal foodstuffs (5). ESCOFAR, 704,298, by Eastern Counties Farmers' Co-operative Association, Ltd., Ipswich.
  - For pharmaceutical preparations for internal use (5). ENCORE, 704,554, by Edward Hack, Ltd., London, W.C.1.





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